

ABOUT COMPANY

YHWorks Tech Private Limited is a software service-based company with offices located at Millennium Business Park (Navi Mumbai) and Pune (Shivaji Nagar) – founded by two veteran engineers – each having 20+ years of experience, focusing mainly on health care, education, and innovations.

AT A GLANCE

WHY YHWorks

- Expertise and Innovation
- Proven Track Record
- Tailored Solutions
- Customer-Centric Approach
- Scalability and Flexibility
- Cutting-Edge Technology
- Cost-Effectiveness
- Transparent Communication
- Sustainable Practices
- Continuous Support

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The strength comes from how we work internally with set process of software development. Irrespective of client insist or not, we follow scrum agile approach for delivery. It helps to small milestone, it brings clarity, and involve client for early feedback as soon as first sprint ends. With this, if client wants elephant, we deliver elephant and not camel.

Manish Rajee

Co-Founder & Director



WHAT DO WE DO?

We help clients to bring their idea to reality. It can be software as a service or platform or an SDK (that can be utilized for other software development) or simple customized solution for their need. In simple words, we are their technology partner.

STRENGTH

We are small team of 15 people (development team), with experience ranging from 1 year to 20 years. We have dedicated QA team, experienced business analyst, a project coordinator, and developers). This team is capable of handling range of software (simple to complex), with quality, on time, every time.

YOU CAN TRUST FOR

Product Engineering

We take responsibility for designing, developing, testing, and optimising a product from its conceptualisation to its final production based on the client's idea.

Technical Expertise

We are technology expert with a strong foundation in programming languages, frameworks, and technologies relevant to the industry. We take proud in demonstrating creativity and innovation in solving complex technical challenges, and ability to comprehend the specific needs and challenges of clients in various industries

CONNECT

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OPLE LEARNING PLATFORM

The client is US based a start-up focusing on empowering educators through technology, innovation, and improving the quality of learning for the teachers and students

AT A GLANCE

Technology Stack

- Cloud services: Google Cloud (for storage, app server, load balancing)
- Application Server: NodeJS
- Mobile apps: Flutter
- Front-End: Angular (Web)
- Content Management Systems: Postgres, Redis
- Notifications: OneSignal
- Messaging: Twilio
- Universal link: AppsFlyer, Shlink
- Video Streaming and storage: Mux
- Analytics: Mixpanel & GA

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Ople's unique selling proposition lies in its ability to provide personalized, skill-focused learning through interactive and engaging content. It is platform where inspired teachers inspire teachers through short-form video.

Unique Selling Point (USP)



PROBLEM STATEMENT

Build a platform that fosters broad knowledge sharing across the teacher community. It should enable PK-12 educators to share their expertise, best practices, strategies, and ideas through short-form videos. With Ople, teachers can:

- Discover practical strategies and lesson ideas in minutes
- Learn directly from fellow educators who understand their day-to-day challenges
- Save and organize favorite content for easy reference
- Support the teaching community by sharing their expertise

SOLUTION

YHWorks assisted client to create a platform for teachers and education institutes to share the knowledge through small videos. Here are the main features/modules:

- Educator specific onboarding flow
- Discover the videos (practical strategies and lesson ideas)
- Enable interaction with post through like, share, bookmark, or save to collections
- Create/Upload videos through simple steps
- Follow educators and keep upto date with latest uploads
- Advance search feature with interest, subject, grade filters
- Share feedback/reply on any post

STATUS

Platform is live, iOS and Android apps are available in US and Canada region

APPROACH

For development we used Scrum as the platform was built with learnings from phase wise implementation and usage in the field. It was a three-week sprint with two weeks of active development and QA followed by 1 week of user acceptance and fixes. JIRA board used for project and progress tracking.

NEURO SCIENTIFIC SOLUTION FOR US BASED START-UP

Neuro Scientific Solution is a US-based start-up founded by a senior neurosurgeon mainly focused on providing services to the elderly and patients.

AT A GLANCE

USP

A unique solution to detect and track the cognitive health of elderly or patient

Technology Stack

- Native Mobile Application
- Unity Game Development
- PubNub Messaging
- Node JS Backend
- AWS Cloud Services
- Angular Front-end

To create the platform, YHWorks provided a complete solution from involvement in inception of the idea to getting it implemented, technology selection, development process approach, defining small and major milestones as deliverables.



PROJECT OVERVIEW

Establish a healthcare information system, focused on providing users, their personal support networks, and care facilities with quick and easy access to key health metrics. These metrics include cognitive data, integrational healthcare management, and social QOL analyzer.

SOLUTION

The elderly/patients (users) interact with the platform through the mobile application by performing activities (games or questions) on a regular basis. The games and questions are framed to judge the patient cognitive health. The solution designed around choosing the right set of activities at a certain frequency to the user.

Family members, healthcare facility admins & staff can review and track the individual progress.

Dashboard reports shows if there is any decline or improvement in cognitive health of the user.

APPROACH

YHWorks used mind-map to understand the requirements, and interactions of various roles, defining the association and setting up various entities in the proposed system.

For development, the scrum process is used where each section of the platform is developed phase wise, each phase contained six to eight sprints of three weeks each - two weeks for development, and one week for QA and UAT.

EVERYWHERE DATABASE SDK

The Interlock Labs is a Canadian based start-up which mainly focuses on providing the Offline-first and Mobile-first solutions.

AT A GLANCE

Technology Stack

- AWS Cloud Services
- Dart based Application Server
- Hive Database
- Flutter Mobile Application

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An SDK which will enable the Mobile application development to use the servers which abstracts the application specific models to be synchronized and allow application to function without internet connectivity.

Unique Selling Point (USP)



PROJECT OVERVIEW

The SDK is for the transaction-based data synchronization system and helps build the applications to reflect updates with the opportunistic synchronization of the data with the server and keep working with the local copy of the data.

SOLUTION

The SDK works with backend server which provides the database synchronization across multiple peers. The database synchronization is using databases with high-speed writes to ensure the multiple transactions can be written to the database without affecting the performance. SDK internally manages records with end-to-end encryption.

SDK governs the Encryption algorithms to work with Elliptic Curve cryptography as well as AES-128/256 based encryption. SDK also provides opportunistic synchronization with Server. SDK is written in Dart for Flutter and optimized to use on-device encryption and decryption. The transactions are uniquely recorded and timestamped to execute in the right sequence even if they come from multiple devices.

APPROACH

For development we used the Scrum based approach to address this problem incrementally as the problem we were addressing was way more complex. It was a month-wise sprint with 3 weeks of development and QA followed by 1 week of user acceptance and fixes.

HEALTH ROBIN PLATFORM

The Pintarraxo is a Bangalore based set-up who focused on building the bidding platform as a marketplace for the healthcare services to be hired for taking care of the patient.

AT A GLANCE

Technology Stack

- Heroku Cloud Services
- Node JS Application Server
- Firebase
- Native Android Applications
- Angular Dashboard
- PubNub Messaging

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It is a marketplace built from the ground up with a bidding facility along with real-time communication with the healthcare service provider.

Unique Selling Point (USP)



PROJECT OVERVIEW

HealthRobin is a marketplace for healthcare services. HealthRobin connects customers with trusted health professionals for all medical needs. Be it getting a physiotherapist, nursing care, trained attendant at the comfort of one's home or recuperating in a hospital, HealthRobin is the one place stop for all healthcare needs.

SOLUTION

For Customers, YHWorks built HealthRobin app to find healthcare providers by submitting a service request, receiving quotations from providers, choosing a provider based on experience and cost, and once a provider has been chosen, interacting directly with the provider.

YHWorks also built the HealthRobin Partner app which enables medical professionals to find new prospects and submit personalized quotations. To draw clients, professionals might develop and improve their profiles. Users of the Partner App must submit their documentation for review. As soon as their profile is validated, they begin to receive fresh leads.

APPROACH

For development we used Scrum as the platform was built with learnings from phase wise implementation and usage in the field. It was a three-week sprint with two weeks of active development and QA followed by 1 week of user acceptance and fixes.

CRITICAL CARE SERVICE

The client is a leading NGO in India, with a mission "to be volunteers in the true sense; and become facilitators in building healthy, self-reliant, knowledgeable, discrimination-free society with a modern outlook, while maintaining rich cultural heritage and ageless traditional values".

AT A GLANCE

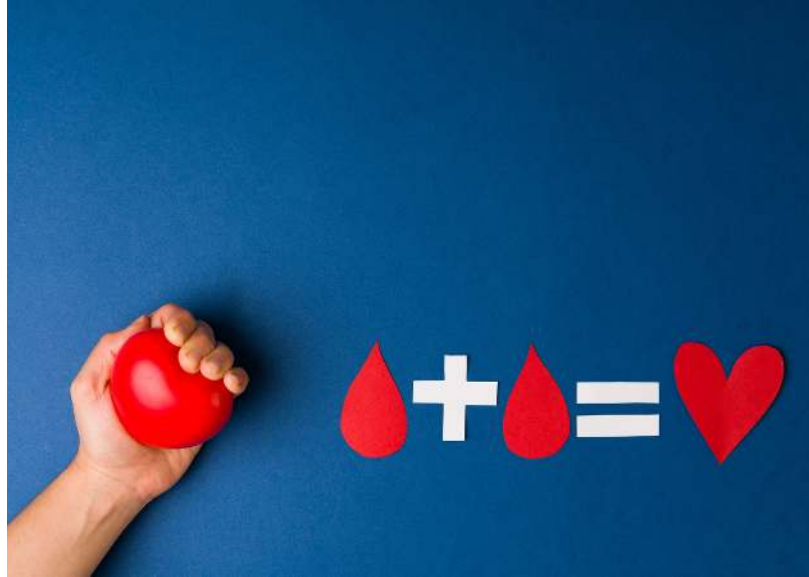
Technology Stack

- Heroku Cloud Services
- NodeJS & Sails Application Server
- Firebase & MySQL
- Flutter Mobile Applications
- Angular Dashboard
- PubNub Messaging
- WordPress for Content Management

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It is a service platform that facilitates meeting the need of blood requests raised for a patient and connecting with donors, as well as tracking and follow-up for open requests.

Unique Selling Point (USP)



PROBLEM STATEMENT

This NGO wanted a solution to provide critical care service (mainly blood requirement fulfilment) to hospitalized patients, starting service in Mumbai, and later expanding to other areas of the country.

SOLUTION

YHWorks built an end-to-end solution for raising blood requests, connecting to healthcare services, and publishing important healthcare articles and topics. For blood requests, the facilitates user to raise the blood request for a patient, then notify nearby donors (with matching profiles) of the need and share the location and patient details for further communication and reaching out. The solution takes care of not sending notifications to donors who have recently donated blood.

- Ability to raise, track, and close blood requests by end-user (through mobile) or by the support team (through dashboard)
- Two-click escalation of open blood requests for more donors.
- Ability to create a family and add members for each user, so in case of emergency blood request can be tracked with four clicks.
- On-hand facility (directory) to call other medical services (ambulance, blood bank, hospitals, medical equipment etc.)
- Register donors through multiple interfaces (mobile, web dashboard).

APPROACH

For development, we used Scrum as the platform was built with learnings from phase-wise implementation and usage in the field. It was a three-week sprint with two weeks of active development and QA followed by 1 week of user acceptance and fixes.

WIP TRACKING

The client is a leading automobile manufacturing company in India and wanted a solution for a unit based in Karnataka (southern part of India).

AT A GLANCE

Technology Stack

- System: Microsoft Server
- Application Server: NodeJS
- Front-End: Angular
- Database: Microsoft SQL
- Mobile application: Kotlin + Java - (Native Android) app for HHT
- Mail Service: In-house service of client
- SMS Service: In-house service of client

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It is a customized solution based on the client's need to address their challenges with respect to bringing a systematic process to support ongoing production and have visibility at every stage and level.

Unique Selling Point (USP)



PROBLEM STATEMENT

The client wanted to track and create automated information flow in the manufacturing unit, so they get better visibility with respect to man, machine, method, and material. The longer goal is to fine-tune the operations and take proactive actions and preventive maintenance based on predictive analytics reports.

SOLUTION

After analyzing the existing system, we established a solution which injected into their existing workflow. With the

provided solution, the client is now having the following system in place:

- Track WIP material
- Role-based Control Panel (and dashboard) to have access to various masters (machine, employees, part numbers, floor area details where machines are located, Kanban locations, raw material masters, logistics masters)
- Reports for authority on WIP job, finished job, machines status, machine health report, WIP internal material, periodical automated reports for job completed per shift, day, week and month.
- Dashboard for machines, logistics, reports, real-time status of WIP jobs, scheduling, operators, etc.
- Integrated existing ERP (SAP) for finished goods details and submitted the details of the finished job.
- Real-time tracking of internal material movement via HHT (Hand-Held Terminal)
- Real-time maintenance alert through email and SMS

APPROACH

For development, we used Scrum as the platform was built with learnings from phase-wise implementation and usage

in the field. It was a three-week sprint with two weeks of active development and QA followed by 1 week of user acceptance and fixes.

FIGMENT ROOMS

FIGMENT Project is a US-based non-profit organization, spread across the cities, with a mission statement - "to build community through the participatory arts, inspiring personal and social transformation by creating cultural events and experiences in a spirit of participation and inclusion". It is running activities since 2007 across the cities in USA.

AT A GLANCE

Technology Stack

- Cloud services: AWS (S3, app server)
- Application Server: NodeJS
- Front-End: Flutter (Web)
- Content Management Systems: STRAPI
- Authorization: Auth0
- Realtime Messaging and Chat: PubNub
- Video Service: WebRTC

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It is a virtual exhibition center for events where artist and participants meet virtually and share the common objective of freedom of expression and ideas.

Unique Selling Point (USP)



PROBLEM STATEMENT

FIGMENT Project wanted to establish a virtual world of exhibition where artists and participants join and contribute remotely. Similar to off-line exhibitions, on virtual exhibitions should also be divided in zones, exhibition rooms, and lobbies.

SOLUTION

For FIGMENT Project, YHWorks built web application (and also portable as windows and Mac app) that each exhibition setup is configurable from another admin panel where the support team any time can create a venue, multiple rooms, lobbies and appoint artist to room. So, who visit (online) this exhibition and rooms specifically, knows about artist, time of performance, and can join the room as soon as artist start the activities.

Some of the highlights of the system are:

- Highly configurable exhibition/events including number of rooms, artists, time for each activity in a room.
- Cross-platform development (single source-code) so porting is easy as web or Mac or windows app.
- A group and private calls among users in the exhibition
- A group and private chat for users in room or waiting in lobby.

APPROACH

For development we used Scrum as the platform was built with learnings from phase wise implementation and usage in the field. It was a four-week sprint with three weeks of active development and QA followed by 1 week of user acceptance and fixes.

WMS & TRUCK TAT

The client holds market leadership in Steel Barrels, Industrial Greases & Specialty Lubricants, Corporate Travel and Logistics Services, while also maintaining a significant presence in other sectors such as Chemicals and Logistics Infrastructure



PROBLEM STATEMENT

Client facing a challenge of certain manual processes like manual label printing, data capturing on paper, manual picking/putaway, leads No visibility of material (what is lying where),

- No FIFO maintained on Picking
- No visibility of loading efficiency of loader,
- No visibility for truck turn around time
- Duplication of work
- Poor scrap handling due to limited visibility

SOLUTION

YHWorks identified, studied, proposed & implemented the cloud based solution through a set processes to capture the transactions digitally (and avoid human error). This system includes following modules broadly:

- Centralized Barcode label generation to eliminate error in labelling
- Material allocation to desired location with hand held terminal
- System generated Pick list based on predefined algorithm (here FIFO)
- Picking and Putaway through hand held terminal (mobile app for at location data capturing)
- Dispatch automation with hand held terminal to determine the actual time taken for loading/unloading the truck
- Truck turn around time (TAT)
- Scrap module to handle damaged material including missing and found transactions
- Audit Module: Physical Stock Audit through hand-held terminal

APPROACH

For development we used Scrum as the platform was built with learnings from phase wise implementation and usage in the field. It was a three-week sprint with two weeks of active development and QA followed by 1 week of user acceptance and fixes.

AT A GLANCE

Technology Stack

- Cloud services: AWS Cloud (for storage, server, load balancing)
- Application Server: NodeJS
- Mobile apps: Flutter
- Front-End: Angular (Web)
- Content Management Systems: RDBMS, Redis
- Notifications: One Signal
- Mail Service: SendGrid
- SMS Service: Twilio

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With a tailor-made solution, seamlessly integrating advanced technologies like AI, IoT, and automation to optimize the operations, it is designed for scalability, accommodating business growth while delivering real-time data insights for informed decision-making. With flexible deployment options, rapid implementation, and robust customer support, By focusing on measurable ROI and cost savings, the solution empowers businesses to achieve operational excellence, enhance customer satisfaction, and stay future-ready

Unique Selling Point (USP)

WMS

The client is one of India's largest and most organized logistics service providers, with a proven leadership position in the transportation industry. With extensive expertise in handling all types of consignments and a network of branches and booking outlets in strategic locations nationwide, client is well-equipped to meet delivery schedules and exceed customer expectations.



AT A GLANCE

Technology Stack

- Cloud services: AWS Cloud (for storage, server, load balancing)
- Application Server: NodeJS
- Mobile apps: Flutter
- Front-End: Angular (Web)
- Content Management Systems: RDBMS, Redis
- Notifications: One Signal

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The seamless integration of handheld terminals (HHTs) streamlines inter-warehouse operations, ensuring real-time accuracy in material allocation, efficient picking processes, and effortless audits. This enhances productivity, reduces errors, and provides complete operational transparency.

Unique Selling Point (USP)

PROBLEM STATEMENT

The client managed warehouse operations for their customer without automation, resulting in significant challenges due to the lack of real-time data visibility. Key issues included:

- Time-consuming operations due to the absence of handheld terminals for transactions.
- Frequent manual interventions and extensive paperwork.
- Lack of real-time visibility into inventory and operations.
- Difficulties in conducting accurate and efficient audits.

SOLUTION

YHWorks assisted client to automate warehouse transaction with hand held terminals. A mobile application developed and integrated with their existing ERP system. Inter-warehouse operations are fully automated through the following modules:

- Material Inward: Materials or entire bins are allocated to designated locations using handheld terminals (HHTs).
- Material Picking: Picking lists are displayed on HHTs, enabling users to efficiently pick materials with minimal errors.
- Material Audit: Real-time audits can be conducted at any time within the warehouse using HHTs, ensuring accuracy and transparency.

APPROACH

For development we used Scrum as the platform was built with learnings from phase wise implementation and usage in the field. It was a three-week sprint with two weeks of active development and QA followed by 1 week of user acceptance and fixes.

QUOTATION & ORDER TRACKING

Gem Star Inc., founded in 1982, is a Vaughan-based Canadian jeweller specializing in bespoke gemstone and diamond jewellery with their signature "Gem Star Cut." Offering custom designs, repairs, appraisals, and wholesale manufacturing, they serve trade and private clients with over 40 years of craftsmanship, backed by global manufacturing teams in India and China.



PROBLEM

Gem Star's multi-store sales operation is suffering from fragmented communication where salespeople across different locations independently handle client quotes without coordination, creating a lack of visibility into discussions and commitments that leads to chaos, delivery delays, and widespread frustration.

SOLUTION

YHWorks proposed implementing a centralized digital platform that would serve as the single source of truth for all client interactions across Gem Star's multiple store locations. This system would feature standardized quote processes where quote specifications are logged centrally, ensuring consistent formatting and information capture regardless of which salesperson or store receives the inquiry. The platform would include real-time communication tools that enable instant collaboration between stores and Gem Star team to have visibility to stakeholders and avoid missing information.

The solution also incorporates a structured workflow that seamlessly converts quotations into orders through clearly defined stages including request initiation, management approval, production in-progress, order ready for dispatch, and final shipment confirmation. This comprehensive order tracking system provides real-time visibility to all stakeholders - enabling everyone to instantly see the current status of any order at any given time.

APPROACH

For development we used a fixed-cost, target-date approach based on pre-agreed requirements. The project tracking done through a unified JIRA board that provided comprehensive project visibility and progress monitoring. This approach enabled predictable delivery within the committed timeline and budget parameters

AT A GLANCE

Technology Stack

- Cloud services: AWS Cloud (for storage, app server, load balancing)
- Application Server: NodeJS
- Mobile apps: Flutter
- Front-End: Angular (Web)
- Content Management Systems: Postgres, Redis
- Notifications: OneSignal
- Mail Service: Brevo
- Chat: Socket.io
- Analytics: Google Analytics

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We transformed chaotic, multi-store sales operations into a single, transparent ecosystem where every quote, order, and commitment is visible to all stakeholders in real-time. Our end-to-end workflow eliminates information silos and ensures seamless coordination from initial inquiry to final delivery across your entire network.

Unique Selling Point (USP)

COMMON UI SDK FOR UPI

The client is Mumbai, India based one of the most trusted players in providing best-in-class payments solutions

AT A GLANCE

Technology Stack

- Swift for iOS
- Kotlin for Android
- UPI Common Library

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Payment Gateway UI SDK uniquely combines native performance (Kotlin/Swift) with pre-integrated UPI functionality, specifically designed for payment gateway providers serving multiple banking clients. The solution's plug-and-play architecture reduces integration time from weeks to days while providing a scalable multi-bank interface that eliminates duplicate development efforts across banking partners. Unlike generic payment SDKs requiring extensive customization, our centralized approach delivers enterprise-grade security, consistent user experiences, and streamlined maintenance through a single codebase that benefits the entire banking ecosystem simultaneously.

Unique Selling Point (USP)



PROBLEM STATEMENT

A client serves multiple banking partners and faces significant challenges developing UPI interfaces across their diverse bank portfolio. Each banking client requires custom UPI integration and payment UI development, forcing the client to repeatedly build similar payment components and workflows for every bank they serve. This results in massive duplication of development efforts, inconsistent payment experiences across their banking partners' applications, substantial resource allocation to repetitive tasks, and extended development cycles that delay time-to-market for new banking clients. Managing multiple separate codebases for essentially similar UPI functionality creates maintenance overhead and prevents the client from efficiently scaling their banking solutions.

SOLUTION

YHWorks developed native UI SDK (built using Kotlin & Swift) that provides a unified payment gateway interface with pre-integrated UPI functionality. This plug-and-play solution offers banking partners a standardized API that abstracts payment system complexities while delivering consistent, optimized user experiences across all client applications. The SDK reduces payment integration development time from weeks to days, eliminates duplicate development efforts, and ensures enterprise-grade security and performance standards, enabling banks to focus on core banking features while providing world-class payment experiences to their customers.

STATUS

SDK is released to client for production use.

APPROACH

For development we used a fixed-cost, target-date approach based on pre-agreed requirements. The project tracking done through a unified JIRA board that provided comprehensive project visibility and progress monitoring. This approach enabled predictable delivery within the committed timeline and budget parameters