

YASH VYAS

Full-Stack Developer

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SUMMARY

Full-Stack Developer with 2.5 years of hands-on experience across backend, frontend, and mobile app development using React Native. Skilled in designing clean, efficient database schemas, building scalable architectures, and developing high-performance APIs with a focus on security and maintainability. Experienced in collaborating within agile teams to deliver reliable, production-ready software across diverse tech stacks. Integrated AI-driven modules to enhance automation and scalability.

PROFESSIONAL EXPERIENCE

SYNDELL TECHNOLOGIES PVT LTD

July 2023 – Present

Full-Stack Developer

Ahmedabad, Gujarat

- Developed and maintained full-stack applications while designing optimized database schemas and scalable backend APIs.
- Integrated third-party APIs, AI modules, Socket.IO, and Firebase for real-time communication, intelligent automation, and push notifications.
- Collaborated directly with clients and cross-functional teams to define requirements and deliver milestones efficiently.
- Led a development team, reviewed code, and guided technical decisions aligned with product goals.
- Conducted technical interviews and contributed to developer hiring for frontend, backend, and mobile roles.

TECHNICAL SKILLS

Frontend: React.js, React Native, Vue.js, Redux, TypeScript, JavaScript, Tailwind, Nuxt.js, Bootstrap, Material UI

Backend: Node.js, Express.js, REST APIs

Databases: MongoDB, PostgreSQL

Tools & Integrations: Git, GitHub Actions, AWS (S3, Rekognition, Textract), Firebase (Auth, FCM), Postman, Xcode, Capacitor, Cordova, OpenAI API, Google Gemini AI, Twilio, Pusher, Radar APIs, Amazon Incentive, AdMob, Asana, Trello

PROJECTS

Dating Application

React Native (Expo), Node.js, MongoDB, AWS

- Implemented secure user authentication using Firebase OTP and JWT-based session management for scalable mobile login and access control.
- Integrated third-party U.S. background check Services for criminal and sexual offender verification, automated ID matching, and periodic revalidation via scheduled **cron jobs**.
- Designed and implemented a check-in-based matching algorithm using user activity data to match profiles by proximity, preferences, and behavioral patterns.
- Integrated Radar APIs & MapView to dynamically fetch and display nearby places, and implemented a check-in system for user interaction with nearby locations.
- Developed an event-driven dating flow with Node.js and MongoDB using state management, sockets, and FCM for real-time synchronization between users.
- Built predefined message orchestration and workflow automation for proposal, acceptance, and confirmation stages, ensuring transactional integrity across matching and check-in modules.
- Architected a secure gallery management system using AWS Rekognition, Textract, and S3 pre-signed URLs for validation and moderation.
- Enforced strict content policies — verified first photo face-ID match with government ID and ensured subsequent uploads include the user and comply with nudity restrictions.
- Developed a points and donation system where users earn rewards for verified check-ins and dates. Integrated AWS Textract to verify uploaded venue receipts for bonus points.
- Managed app releases on both iOS (Xcode, TestFlight) and Android (Play Console). Configured GitHub Actions for backend testing and deployment pipelines.

Industrial Web Application

React.js, Node.js, PostgreSQL, Express.js

- Reverse-engineered complex Excel-based formulas and logic used in induction heating systems into dynamic, scalable APIs using Node.js and PostgreSQL.
- Developed precise calculation modules for material properties, heat zones, temperature curves, and machine efficiency parameters.
- Built an intuitive React.js admin dashboard for managing materials, machine configurations, users, and live calculation data.
- Developed a dedicated machine operator interface (user panel) enabling real-time parameter input, process monitoring, and on-device calculation validation.
- Developed a VBA-replicated microservice to handle the core machine logic with optimized binary search for high-performance computation.
- Implemented real-time zone suggestion algorithms based on machine configuration and dynamic user inputs, enhancing accuracy and reducing manual intervention.
- Re-engineered formula parsing and validation to ensure full compatibility with legacy Excel outputs, reducing computation time and improving numerical accuracy across complex formulas.

Language Learning App & Admin Panel

React.js, Nuxt.js, Node.js, MongoDB, Capacitor, Cordova, React Native(Expo)

- Took over the project mid-development, resolved critical functionality issues, and delivered major feature updates while coordinating directly with the client.
- Scaled the app to 10K+ downloads within 3 months through rapid iteration and improved user engagement.
- Led the React Native migration for enhanced scalability, managing the development team and client communications while overseeing backend integration alongside other parallel projects.
- Built initial MVP using Nuxt.js and Capacitor for Android & iOS, enabling unified deployment and shared codebase.
- Integrated Gemini AI API for dynamic word and sentence generation based on learning topics.
- Enhanced real-time partner mode using Pusher.js for live sessions, synchronized interactions, and multi-user gameplay.
- Developed Amazon incentive system with Twilio OTP verification for secure reward redemptions.
- Integrated Google, Facebook & Apple SSO for frictionless authentication and streamlined onboarding.
- Implemented AdMob for optimized ad placement, ensuring balanced monetization and user experience.
- Designed and built a full-featured **Admin Panel in React.js** to manage content, users, analytics dashboards, and push notification campaigns for the app.

SOP Generator Software

React.js, Node.js, MongoDB, AWS, REST APIs, Role-Based Access Control (RBAC)

- Led the full-stack development of a company-wide SOP creation platform integrating AI-generated process documentation.
- Designed and developed backend architecture, database schemas, and modular frontend with a focus on scalability and security.
- Architected and developed a company-level user management system featuring dynamic **Role-Based Access Control (RBAC)** with customizable roles, permissions, and hierarchical user structures.
- Collaborated with an external AI team to integrate transcription and SOP generation APIs seamlessly into the workflow.

EDUCATION

Gandhinagar Institute Of Technology (GTU)

Bachelor of Engineering (B.Tech) - Information Technology

2019 – 2023

7.85 CGPA

Gurukrupa Vidyalaya

HSC Science (PCM)

2018 - 2019

65%

Gurukrupa Science School

SSC

2016 - 2017

83.33%