

Naveen Kumar

Full-Stack & AI Engineer

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PROFILE

Full-stack and AI engineer with **8+ years** of experience building, deploying and maintaining web, cloud and mobile products. Builds end to end: **Next.js** and **Node.js** applications, **AWS serverless** backends, **LLM and RAG** features, and **React Native / Android TV** apps. Strong in CI/CD, offline-first architecture, enterprise authentication (Microsoft Entra ID) and third-party integrations, with a focus on performance, security and user experience.

EXPERIENCE

Consultant - Software Development

Technossus Software Solutions Pvt Ltd | May 2022 - Present

- Architected and deployed cross-platform mobile apps with **React Native** (Expo/CLI), including **offline-first** data sync and **Android TV** streaming apps.
- Built TypeScript backends on **AWS** (Lambda, Cognito, SQS, S3, MongoDB) with clean-architecture layering, and an **admin portal** (React, Vite) with **Microsoft Entra ID** sign-in and role-based access.
- Implemented **Azure DevOps CI/CD pipelines**, improving deployment workflows by 60%.
- Led complex API integrations, platform-specific deployment, in-app purchases, subscriptions and store compliance; added Intune MDM and SSL pinning for enterprise security.
- Authored and published **react-native-native-worker**, an open-source native (Swift/Kotlin) background-threading library on npm.
- Collaborated with UI/UX and product teams to deliver seamless user experiences.

Senior Full-Stack Developer

Technocrats Compusoft Pvt Ltd | May 2020 - April 2022

- Built and maintained mobile and web applications using **React Native**, **ReactJS**, **Node.js** and **Laravel**.
- Mentored junior developers, established coding standards and promoted clean architecture.
- Developed scalable RESTful APIs and integrated **AWS services**, notifications and analytics.
- Improved application performance, scalability and security across multiple projects.

Full-Stack Developer

Macroword Computers Pvt Ltd | Dec 2017 - April 2020

- Developed end-to-end web applications using **Laravel** and **ReactJS**.
- Focused on REST API development, backend optimization and modular frontend architecture.
- Worked with clients and internal teams to translate business requirements into technical deliverables.

SKILLS

Web & Frontend: Next.js, ReactJS, TypeScript, VueJS, Angular, Tailwind CSS

Mobile & TV: React Native (Expo/CLI), Ionic, Android TV, offline-first sync (CouchDB/PouchDB, Realm), Push Notifications, In-App Purchases

Backend: Node.js, Express, NestJS, Laravel (5.2-9), RESTful APIs, OpenAPI/Swagger

AI & LLM: OpenAI, Claude and Gemini APIs, RAG with pgvector, Vercel AI SDK, speech AI (Whisper, TTS, voice cloning), Python

Cloud & DevOps: AWS (Lambda, Cognito, SQS, S3, EC2, CloudFront), Serverless Framework, Docker, DigitalOcean, Azure DevOps, CI/CD pipelines

Databases: PostgreSQL, MySQL, MongoDB, DynamoDB, Redis

Testing, State & Tools: Jest, Redux Toolkit, Zustand, React Query, Firebase, Sentry, Google Maps API, Power BI, Postman

CERTIFICATIONS

AWS Certified Cloud Practitioner | React JS Certification | Generative AI Fundamentals | Python for AI Development

PROJECT HIGHLIGHTS

KidsPrintables | *Full-Stack Developer* | kidsprintables.co.in

Next.js, TypeScript, Prisma, Postgres, Clerk, PDF export

Live SaaS for personalized kids' activity books with live preview and print-ready PDF export.

Enterprise RAG | *Full-Stack / AI Developer*

Next.js, pgvector, Redis, BullMQ, OpenAI, Docker

Knowledge assistant giving cited answers from connected files, websites and Google Docs, with incremental sync.

AI PR Reviewer | *Developer*

TypeScript, Node.js, Express, Docker, Vitest

Automated pull-request reviews with inline comments and summaries for GitHub and Azure DevOps (OpenAI, Claude, Gemini).

Voice & Speech AI Toolkit | *Developer*

Python, Whisper, XTTS-v2, GPT-4o, Node.js, Web Audio

Live Hindi-to-English translator in the user's own voice, video dubbing with voice cloning, and a lip-syncing 3D avatar voice chat.

HCMInistry Mobile (React Native App) | *Lead Developer*

React Native Expo, Redux, Azure DevOps, Power BI, QR Scanner, Push Notifications

Mobile app for ministry members and pastors for reporting and QR-based task management, integrated with Power BI.

QuitSure (React Native App) | *Lead Developer*

React Native, Redux, In-App Purchases, AWS, Push Notifications, Analytics, Crashlytics

Behavior-change health app helping users quit smoking through guided programs, in-app messaging and subscriptions.

TechESteel (Mobile App) | *Frontend Developer*

React Native Expo, Zustand, React Query, Jest, Easebuzz, Sentry, Push Notifications

Mobile app for steel industry professionals with real-time analytics and payment management.

Healthy Church (WebApp) | *Frontend Developer*

ReactJS, Redux Toolkit, Jest, Razorpay

Web portal giving pastors and ministry members real-time insights, payment management and community engagement tools.

react-native-native-worker (open source) | *Author*

TypeScript, Swift, Kotlin, React Native

Native background threading for React Native in Swift and Kotlin, published on npm.