

Praveen George Ryan

Full Stack AI Engineer -
Web & Mobile

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About Me

I am a passionate developer and AI enthusiast with almost 7 years of professional experience, including the past 5 years in product development. Currently i am deeply focused on AI-driven development, mainly in Web & Mobile apps using Next.js, React, JavaScript, MongoDB/ PostgreSQL for the Web, and React Native, NativeWind for Mobile.

Committed to continuous learning, I thrive in adapting to new technologies and turning innovative ideas into real-world solutions. Excited to contribute and grow in a forward-thinking company.

Languages

English	Fluent
Hindi	Conversational
Telugu	Native

Skills

- Next.js
- JavaScript / TypeScript
- React / React Native / Expo
- Redux / Zustand
- Python
- CSS / Tailwind / NativeWind / SCSS
- Node.js / Express.js
- REST APIs
- MongoDB / Firebase / Supabase/SQL
- Version Control / Git / GitHub
- AWS / Vercel / Docker
- PayloadCMS
- Vector Databases
- AI/LLM Integration

Education

Master's Degree in Sciences 2019 -2022
KGR institute of Technology and Management

Bachelor's Degree in Sciences 2015 -2019
Gland Institute of Pharmaceutical Sciences

Projects

AI SaaS Application

Created “PalAsk,” an innovative AI SaaS platform for content creators with multi-tenant architecture. Designed and built responsive interfaces and robust backend systems using Next.js 15, React 19, TypeScript, and PayloadCMS. Integrated AI chat powered by RAG (Retrieval Augmented Generation) with vector databases, enabling real-time, context-aware support.

Neshama - AI Powered App

Developed Neshama, a cross-platform mobile app delivering personalized reflections using advanced AI RAG pipelines. Built with React Native, Expo, TypeScript, and Supabase(PostgreSQL + pgvector). Integrated Claude AI (Anthropic) and Open AI Models. Engineered a serverless backend with Supabase Edge Functions, queue-based batch processing, RevenueCat subscription management, and OAuth authentication.

E-learning Mobile App for Children

Developed Effling, an e-learning mobile app for children, focused on creating an engaging and interactive learning experience. Using React Native and NativeWind, I built responsive, user-friendly interfaces optimized for young users. Collaborated with designers, backend developers, and content creators to ensure a seamless learning experience.

Experiences

Research and Development Scientist Jun-2019 to Sep-2021
Crenza Private Limited

In my role as a Formulation Research and Development Scientist, I was responsible for analyzing complex data sets, building automated data pipelines, and implementing innovative solutions to meet project goals. I developed strong problem-solving skills, attention to detail, and the ability to work under tight deadlines, which allowed me to streamline processes and deliver high-quality results.

Product Development & Quality Assurance Oct-2021 to Mar-2023
Granules India Limited

As a Product Developer & QA analyst, I worked with industry-standard software systems like Document Management Systems (DMS) and Quality Assurance Management Software (QAMS), ensuring compliance with regulatory standards. Collaborating with cross-functional teams to streamline workflows and improve operational efficiency. Developed internal dashboard interfaces and maintained digital documentation systems, focusing on data integrity, secure access, and process automation. Began building front-end solutions using HTML, CSS, and JavaScript to enhance team productivity and reporting tools.

Next JS Full Stack Developer Mar-2023 to June-2025
Tech Mahindra

As a Next.js Full Stack Developer, I specialize in developing high quality responsive and interactive applications using Next.js, React, Tailwind CSS and Mongo DB. Built REST APIs with Node.js and Express.js, integrating third-party services and managing database operations. Collaborating with clients to understand project requirements and deliver customized solutions that align with their business goals. Optimizing web applications for speed, SEO, and accessibility, ensuring a flawless user experience across devices.



Certificates

Complete NextJS Full Stack Developer
Credential ID: 4492442a10546

Full Stack AI Developer
Polar AI

Jul-2025 to Till Now

Built and enhanced AI-powered SaaS products using Next.js, React, TypeScript, Node.js, and Postgres. Implemented conversational AI, RAG-based knowledge retrieval systems, semantic search pipelines, voice AI integrations, and intelligent automation workflows. Developed scalable frontend interfaces and backend services, integrated LLM APIs, optimized AI response quality through prompt engineering, and contributed to multi-tenant architectures, authentication flows, analytics dashboards, and real-time user experiences. Worked closely with cross-functional teams to deliver high-performance, production-ready AI solutions.