

MARIPRASAD RAMAKRISHNA

Bangalore, India | mari2prasad@gmail.com | linkedin.com/in/mariprasadr | Portfolio: mariprasad.com

PROFESSIONAL SUMMARY

Full-Stack Engineer and Technical Lead with 10+ years building scalable web applications end to end — from React/Next.js frontends to Node.js APIs, data layers, and cloud deployment. Strong in frontend architecture and reusable UI systems, with hands-on experience building backend services and LLM-powered features (OpenAI API, schema-constrained structured outputs, validated pipelines). Comfortable across the stack with Prisma/Drizzle ORM, PostgreSQL/MySQL, Redis caching, Docker, and AWS infrastructure.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Node.js, SQL, HTML5, CSS3

Frontend: React.js, Next.js, Redux/Zustand, React Query, Sass/SCSS, D3.js, Highcharts

Backend: Node.js, Next.js API routes, REST APIs, GraphQL, OpenAI API

Data: Prisma ORM, Drizzle ORM, PostgreSQL, MySQL, Redis

DevOps & Cloud: Docker, GitHub Actions, AWS (S3, CloudFront, EC2), Git, Agile

PROFESSIONAL EXPERIENCE

- **Techtree Labs Private Limited (From Apr 2024) — Founding Engineer | Bangalore, India**
Built end-to-end features across React/Next.js frontends and Node.js API routes for Karnataka Government MGNREGA and utravel.com. Designed and built a server-side LLM flight-search pipeline (OpenAI API, JSON-schema structured outputs, Zod validation, error handling, anti-hallucination grounding against our backend flight-data API). Led technical planning, reusable frontend systems, deployment workflows, and product discussions.
- **YouKraft — Tech Lead (Sep 2021 – Dec 2022) | Bangalore, India**
Led development of a marketplace platform with role-based admin systems. Implemented GraphQL APIs and data-layer integrations with Prisma ORM and PostgreSQL, alongside the Next.js frontend.
- **Thrillark — Frontend Developer (Jan 2020 – May 2021) | Bangalore, India**
Led and developed travel activity booking interfaces and responsive, reusable UI components using React.js and Sass.
- **Crain Communications — Senior Frontend Developer (Jul 2016 – Oct 2019) | New York City, USA**
Built analytics dashboards and complex data visualization interfaces using React.js, AngularJS, and D3.js.
- **Global Citizen — Frontend Developer (Jun 2015 – Jul 2016) | New York City, USA**
Developed campaign and acquisition-focused web applications integrated with Django backend systems.
- **The Reading Room — Frontend Developer Intern (Nov 2014 – May 2015) | New York City, USA**
Worked on a social reading platform using AngularJS, Bootstrap, PHP, and MySQL.

PROJECTS

- **mariprasad.com — Personal Portfolio & "Ask Mari" | Next.js, OpenAI Embeddings, Airtable, GitHub Actions**
Built a personal site with an "Ask" box that answers questions from my own writing using OpenAI embeddings for semantic search over my content rather than the open web. A nightly GitHub Actions job refreshes the embedding index; questions are logged to Airtable and tagged by outcome, and new content can be captured from anywhere via iOS Shortcuts.
- **New Jersey Institute of Technology — M.S. Computer Science (2013 – 2014)**
- **T. John Institute of Technology — B.E. Computer Science (2007 – 2011)**