

Vandana Shree | Full Stack Engineer

+49 15563982945  shree.vandu@gmail.com  [github](#)  [linkedin](#)



PROFESSIONAL SUMMARY

Full-Stack Engineer with 6+ years of experience delivering scalable **real-time platforms** and **distributed systems**. Expert in **Node.js backends**, **React/Next.js frontends**, and **SQL/NoSQL modeling** with a focus on **performance** and **accessibility (a11y)**. Dedicated to **clean architecture** and driving **engineering excellence** through **structured thinking** and seamless **cross-team collaboration**.

SKILLS

Frontend: React, Next.js, Angular, Svelte, TypeScript, Tailwind CSS, State Management.

Backend & APIs: Node.js (NestJS, Fastify, Express), Python (FastAPI), REST, GraphQL, WebSockets.

Database: PostgreSQL, MySQL, MongoDB, Redis, Prisma, Mongoose, Data Modeling.

Cloud & DevOps: AWS (Lambda, S3), GCP, Docker, Kubernetes, CI/CD, GitHub Actions.

Real-time: Event-Driven Patterns, Canvas API, Live Streaming/Overlays, Distributed State Sync.

Engineering: System Design, Clean Code, Testing (Jest, Cypress), Monitoring, Agile/Scrum.

EXPERIENCE

Technology Lead, Mobily

August 2024 - May 2025

- **Architected the core product foundation** for the *Devices Application*, building a modular **Micro-frontend** ecosystem from scratch to serve **1M+ active users**.
- **Developed real-time dashboard overlays** for the *Orders Management Portal*, utilizing **WebSockets** to provide live data flows and interactive operational tracking.
- **Owned the end-to-end deployment** of a *Multilingual Subscription Platform* on **GCP Cloud Run**, ensuring the system was scalable, production-ready, and fault-tolerant.
- **Translated complex requirements** from product and creative teams into **robust, elegant solutions**, acting as a key technical decision-maker for the platform's evolution.
- **Established clean coding practices** and structured thinking within the engineering team, mentoring peers on **data modeling** and high-concurrency API design.

Technology Consultant, Ernst and Young (EY)

August 2022 - July 2024

- **Engineered a real-time Auction Application** using **WebSockets** and **Redis**, managing high-concurrency interactive moments with **sub-100ms latency**.

- **Designed and consumed complex GraphQL APIs** for a global *E-Commerce Application*, optimizing data-driven services for seamless, context-aware user experiences.
- **Integrated AI-driven services** into the *Analytics & Insights Dashboard*, building **real-time data flows** to visualize performance metrics and interactive user engagement.
- **Collaborated with AI and product teams** to ship **12 core user journeys**, focusing on **interactive content** and high-performance frontend frameworks.
- **Optimized production-ready systems** for maximum speed and scalability, ensuring **Technical SEO** and accessibility standards were met across all platforms.

Systems Engineer, Tata Consultancy Services

June 2019 - July 2022

- **Owned the implementation** of the *Secondary Space Planning App*, building a **2D interactive layout tool** using **React** scaled across **1,700+ stores**.
- **Developed scalable backend services** for the *Product Catalog App* using **Node.js** and **PostgreSQL**, focusing on structured **SQL data modeling**.
- **Built map-based interactive interfaces** for the *Store Locator App*, integrating **Google Maps API** with a high-performance **React** frontend for real-time service checks.
- **Designed the Offers & Promotions App**, implementing a personalized rules engine to turn passive data into **interactive, context-aware user experiences**.
- **Created the Feedback & Ratings Module**, designing robust **REST APIs** and data flows to handle high-volume interactive customer feedback.

PROJECTS

Synapse – Real-time Whiteboard | [Live Demo](#) | [GitHub](#)

Built a *collaborative whiteboard* with **Next.js**, **TypeScript**, **Canvas API**, and **NestJS**. Implemented **real-time state sync** using **WebSockets** and deployed via **GCP**.

Recipe Book – Full Stack MERN Application | [Live Demo](#) | [GitHub](#)

Developed a full-stack *recipe manager* for *recipes*, *weekly meal planning*, and *pantry-based search* using **React**, **Node.js**, and **MongoDB**. Added **JWT authentication** and **Tailwind CSS UI**.

EDUCATION

Bachelor's Degree in Engineering | REVA University

2015 - 2019 | CGPA: 9.0/10