

# Pratham Nemade

## Frontend Developer with Full-Stack Proficiency

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### Profile

**Frontend Developer** with strong **full-stack expertise**, specializing in the **MERN stack**, **RESTful APIs**, and **database optimization**. Improved application performance by **20%** and increased user engagement by **15%** through **clean architecture**, **responsive UI design**, and performance tuning. Experienced in **UI/UX principles**, **data structures**, and **algorithms**, with a focus on building **scalable, user-focused web applications** in **collaborative Agile environments**.

### Education

Full Stack Web Development, Masai School	2023 – 2024   Bengaluru, India
B.E ( Information Technology ), Priyadarshini College Of Engineering	2019 – 2023   Nagpur, India

### Experience

**Frontend Developer, Sunbase** 10/2024 – Present | Orlando, USA

- Developed **scalable, high-performance web applications** using **JavaScript, React.js, HTML5, and CSS3**, ensuring **cross-browser and cross-device compatibility**.
- Delivered **responsive, pixel-perfect user interfaces** aligned with design specifications, improving **mobile usability and layout consistency by 30%**.
- Built **component-driven UI architecture** with reusable React components and modular styling using **Tailwind CSS**.
- Collaborated with backend developers, UI/UX designers, and product managers in an **Agile/Scrum environment** to deliver features and resolve bugs, reducing **issue resolution time by 25%**.
- Performed **code reviews, debugging, and frontend performance optimization**, resulting in a **20% improvement in page load times and user retention**.

### Skills

**Frontend:** JavaScript (ES6+), TypeScript, React.js, Redux Toolkit, HTML5, CSS3, Tailwind CSS, Ant Design, Shadcn/ui

**Backend:** Node.js, Express.js, RESTful APIs, JWT Auth

**Database Technologies:** MongoDB, Redis, Database Design, Query Optimization

**DevOps & Tools:** AWS, Docker, Git, GitHub, Postman

**Integrations & Libraries:** WebSockets, Agenda (Job Scheduling), Nodemailer, Gemini API

### Projects

**CodeXia - Real-Time Collaborative Coding Platform** 📁

CodeXia is a **real-time multi-user coding platform** that enables multiple users to write, run, and debug code together in a shared workspace, supporting **live editing**, **AI-powered coding assistance**, and **real-time notifications**.

**Tech Stack:** React.js, Redux Toolkit, Tailwind CSS, Shadcn UI, Node.js, Express.js, MongoDB, Socket.io, Redis, Nodemailer, Groq API

**Key Contributions:**

- Real-Time Editing:** Built a **collaborative code editing system** enabling **10+ concurrent users** to write and edit code with conflict-free synchronization using **Socket.io**.
- Multi-Language Execution:** Designed and deployed a **secure, sandboxed multi-language code execution engine** supporting **3+ programming languages** with isolated runtimes.
- AI Integration:** Integrated **in-app AI assistance** using the **Groq API**, allowing users to generate code snippets, ask technical questions, and get guidance, reducing time spent troubleshooting by **40%**.
- Notification System:** Developed a **scalable notification system** with **in-app and email alerts** (Nodemailer) for code execution results, file updates, and collaboration events, improving user awareness by **~60%**.
- Stability & Scalability:** Applied best practices for **state management, rate limiting, and fault tolerance** to maintain system stability under high concurrency.
- UI Design:** Delivered a **responsive, modern UI** using **Tailwind CSS and Shadcn UI**, ensuring smooth workflows.