

Prabakaran M

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Professional Summary

Software Engineer with **2+ years of experience** building scalable, high-performance web applications using **Next.js, React.js, TypeScript, and Firebase**. Experienced in developing **AI-powered features, real-time workflows, and role-based platforms** for enterprise and ed-tech products. Strong in **frontend architecture, state management, and performance optimization**, improving page load speeds and user experience across multiple production applications. Passionate about **clean design, automation**, and delivering impactful digital experiences.

Skills

Frontend: Next.js, React.js, JavaScript, TypeScript, Redux, Recoil, Jotai, HTML, CSS, Tailwind CSS, Bootstrap, SEO Optimization, State Management

Backend: Node.js, Express.js, Firebase Admin, tRPC, Rest API, Sanity

Database: MongoDB, Firebase

Tools: VS Code, Cursor, Postman, Vercel, Netlify, Jest

Version Control: Git, Github

Experience

Software Engineer, Darthwares – Coimbatore.

July 2023 – Present

- Developed and optimized **responsive, scalable web applications** using **Next.js, TypeScript, Tailwind CSS, Firebase**, and **tRPC**, improving page load speeds by **40%**.
- Implemented **role-based access control, dynamic onboarding forms**, and **real-time system features**, boosting workflow efficiency for **1,000+ users**.
- Built **AI-powered modules** including **resume generation, interactive tutoring**, and **mock placement drives**, increasing automation and student engagement by **35%**.
- Resolved **production issues**, improving platform **stability by 20%** and reducing production downtime.
- Collaborated in **Agile teams**, performed **code reviews**, and refactored **legacy code**, cutting technical debt and complexity by **30%** while ensuring smooth **deployments**.
- Designed and maintained **reusable UI components** and **modular frontend architecture**, accelerating development speed by **25%** across multiple project features.
- Implemented **Jest unit tests** for core workflows, improving reliability and reducing regressions.

Projects

(All projects were developed as part of my role at Darthwares – Coimbatore.)

1) LeetCampus – (AI-powered College Academic Platform & Placement Platform)

Tech Stack : Next JS | TypeScript | Firebase Admin | tRPC | Tailwind CSS | Jotai

- Engineered a scalable **role-based access system** for admins, professors, and **1,000+ students**, ensuring secure and efficient workflow execution.
- Built **AI-driven modules** including **Leet Tutor** (AI slide generator) and **Mock Placement Drive**, increasing student learning engagement by **35%**.
- **Automated placement workflows** by integrating **email triggers** and **SMS notifications**, reducing manual communication time by **80%**.
- Developed a dynamic **portfolio and resume builder** with **customizable themes**, resulting in **50% faster** profile generation for students.
- Optimized **frontend architecture** and reusable components, improving page load speeds by **40%** and enhancing overall **UI consistency**.

2) LeetCV – (AI-powered Resume Builder)

Tech Stack : Next JS | TypeScript | Firebase Admin | tRPC | Tailwind CSS | Recoil

- Revamped core UI components, improving **mobile responsiveness** and cross-device usability by **30%**.
- Resolved **production issues**, increasing **system stability by 20%** and reducing production errors.
- Built **Leet Link**, enabling users to share resumes and project portfolios, resulting in **25% higher user profile engagement**.
- Refactored **legacy code** and optimized workflows, reducing component complexity and cutting **re-render issues by 40%**.
- Enhanced platform **design consistency** using reusable UI patterns and strict component structures.
- Implemented **telemetry and analytics dashboards**, improving visibility into user activity and enabling **data-driven product decisions**.
- Added **component-level Jest tests** for resume builder and portfolio modules, ensuring stable UI behavior and preventing UI-breaking changes.

3) Ennuviz - (Enterprise Digital Transformation Website)

Tech Stack : Next JS | TypeScript | Sanity | Tailwind CSS

- Developed multiple **responsive, brand-aligned pages**, improving page accessibility by **20%**.
- Built a custom **event registration system**, increasing user onboarding efficiency by **35%**.
- Integrated **spreadsheet automation** to export registration data, reducing manual reporting work by **90%**.
- Optimized **site structure, metadata, and SEO practices**, enhancing organic visibility and performance metrics.
- Collaborated with design and backend teams to streamline **CMS-driven content workflows** and accelerate page updates.

Certifications

- **React – Basic** (HackerRank) – Credential ID: 4706b3d3b597
- **Problem Solving – Basic** (HackerRank) – Credential ID: cee5197d9c73
- **CSS Certification** (HackerRank) – Credential ID: 8f4b43e725ed
- **MERN Stack Web Development** – Skill Safari
- **Frontend Development Libraries** – FreeCodeCamp
- **JavaScript Algorithms & Data Structures** – FreeCodeCamp
- **Responsive Web Design** – FreeCodeCamp

Education

MERN Stack Web Development , Skill Safari – Coimbatore.

Sept 2022 – May 2023

BE Metallurgical Engineering , PSG College Of Technology.

Aug 2018 – Jun 2022

- CGPA : 7.66/10.