

# 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 2,500+ 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 2,500+ 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

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- **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

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**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.