

Prem Kumar

Full Stack Developer

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Experience

Tutrpro Nov 2021 - Mar 2023

Full Stack Developer - Freelance Chennai

- Spearheaded the creation of a cross-platform Android and web application utilizing Flutter framework, unifying user experiences while reducing development overhead by maintaining a single codebase.
- Engineered and implemented high-performance backend systems with Nest.js, integrating GraphQL API, resulting in enhanced system responsiveness and adaptability.
- Orchestrated the containerization of Nest.js backend using Docker, facilitating seamless deployment on Digital Ocean infrastructure.

Skills

Programming Languages

JavaScript, TypeScript, Dart, SQL

Technologies

React, Next.js, Tailwind CSS, Flutter, Express, Git, Docker, AWS Services (EC2, Lambda, Elastic Beanstalk, S3), Terraform

Databases

PostgreSQL, MongoDB, Redis

Education

Bharath University 2019 - 2023

B.Tech, Computer Science, 8.4/10 Chennai

Projects

Discuss ↗ Mar 2024

Reddit-like discussion forum website.

- Leveraged Next.js 14 server components to enhance Type safety, Developer Experience (DX), and performance.
- Incorporated optimistic updates for seamless post upvoting and downvoting experiences.
- Utilized React Suspense to expedite post loading through streaming comments for the post.

QuickNotes ↗ Jan 2024

A minimalist notes app with rich text editor support.

- Integrated rich text editor support for enhanced note customization.
- Implemented throttling for login, forget password, and resend email verification functions to mitigate brute force attacks.
- Added Lucia auth to handle authentication and session management.

Costfocus ↗ Jul 2022

Expense tracking app used for managing your money.

- Designed user-friendly interface with Flutter framework.
- Integrated Firebase services such as Authentication for user authentication and Cloud Firestore for database.
- Successfully published app on Google Play Store.