

SURAJ

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TECHNICAL SKILLS

React.js • React Native • JavaScript • Node.js • Express.js • Go • MongoDB • PostgreSQL • Redis • AWS • Docker

PROFESSIONAL EXPERIENCE

Lead Software Engineer

CricketGyan • Noida • Mar 2024 – May 2025

- Led full-stack development using MERN + Next.js (SSR), architecting scalable solutions for high-traffic applications with consistent uptime.
- Developed cross-platform mobile applications using React Native, delivering performant and user-friendly experiences across Android and iOS.
- Designed and implemented caching strategies with Redis, significantly improving API response times and system efficiency.
- Optimized database queries and indexing, enabling faster complex aggregations and reducing server load. Integrated CDN, lazy loading, and code splitting to enhance initial load performance and overall user experience.
- Coordinated feature planning, code reviews, and deployment processes across the development team.

Full Stack Developer

Novento • New Delhi • Sep 2023 – Mar 2024

- Built scalable React applications with MVC architecture, focusing on maintainable and testable component-based design
- Implemented secure authentication workflows using JWT-based session management with refresh tokens and httpOnly cookies
- Refactored backend Node.js modules into reusable services, reducing code duplication and improving overall maintainability
- Collaborated with design and product teams to deliver intuitive user experiences with strong usability scores

KEY PROJECTS

Rate Limit Toolkit (Go)

Go • Redis • Middleware • REST

- Built a high-performance Redis-based rate limiting toolkit supporting Fixed Window, Sliding Window, and Token Bucket strategies.
- Implemented per-user and per-IP limits with TTL-based expiration for scalable API protection.
- Designed a modular, efficient system optimized for high-throughput REST services and easy integration.
- **GitHub:** <https://github.com/SurajTechsmith/rateLimiter>

JWT Auth Toolkit (Go)

Go • PostgreSQL • JWT • REST

- Developed a reusable JWT authentication package with a clean, modular, and testable architecture.
- Implemented token extraction and context injection for seamless middleware chaining.
- Designed as a lightweight, plug-and-play solution for secure and scalable Go REST APIs.
- **GitHub:** <https://github.com/SurajTechsmith/jwt-auth>

Library Reader App (React Native)

React Native • Offline • PDF • Mobile

- Built a mobile app for offline PDF reading with support for bookmarks, highlights, notes, and tags.
- Focused on distraction-free reading with real-world UX features like search, analytics, and persistent state.
- Engineered for smooth performance and fully offline usability.
- **GitHub:** <https://github.com/SurajTechsmith/pocket-library-react-native>

Markdown to PDF (Desktop)

Go • Wails • Desktop • PDF

- Developed a native desktop app using Wails to convert Markdown files into clean, styled PDFs.
- Implemented drag-and-drop functionality for fast and intuitive file conversion.
- Built a lightweight, cross-platform tool tailored for developer workflows.
- **GitHub:** <https://github.com/SurajTechsmith/markdown-to-pdf>