

Tarun Jawla

Software Engineer — Full Stack (Angular | React | Node | Nest | DevOps)

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Full-stack engineer with hands-on experience building production-grade platforms using Angular, React, Next.js, NestJS, PostgreSQL, Redis, Docker, and Kubernetes. Skilled in designing scalable architectures, developing end-to-end features, implementing secure workflows, and deploying applications in cloud-native environments. Built multiple full products from scratch, including AI-powered invoicing systems, encrypted file-sharing platforms, and Rust-based local password managers.

Skills

- React 18/19
- RxJS
- Tailwind
- NestJS
- REST APIs
- PostgreSQL
- Grafana and Loki
- Next.js
- Zustand
- Material-UI
- Express
- Authentication & RBAC
- Kubernetes
- Git
- Angular
- TanStack Query
- Node.js
- Redis
- Kafka
- GitHub Actions
- Nginx

Professional Experience

Cognizant - Software Engineer Intern

Oct 2023 – Dec 2023 | Pune, India

Tech: Java, Spring Boot, REST APIs, SQL, Git

Worked on internal web applications and backend services.

Assisted in developing REST APIs using Java and Spring Boot.

Worked with databases and basic SQL queries.

Followed enterprise practices like code reviews, testing, and deployment workflows.

Got exposure to large codebases and team based development.

Freelance Developer

Jan 2024 – Jul 2024 | Remote

Worked with early stage startups and small teams on web products.

Built frontend features using Angular and React.

Helped with backend APIs, database work, and integrations.

Handled complete features end to end and coordinated directly with clients.

Wisflux Tech Labs — Software Engineer

Jul 2024 – Present | Jaipur, India

Tech: Angular, React, Next.js, NestJS, Node.js, PostgreSQL, Redis, Docker, K8s

Awarion (Ad-Tech Platform)

- Built full-stack features including authentication, RBAC, agreement signing flow, drag-and-drop PDF upload, publisher workflows, and real-time UI modules.
- Developed and optimized NestJS APIs, PostgreSQL schemas, and Redis-backed caching.
- Delivered major UI components in Angular, including dynamic forms, modals, multi-tab views, and advanced note management features.
- Improved performance of heavy modules by optimizing queries, API batching, caching, and state management.
- Collaborated directly with clients, delivering production-ready updates across both frontend and backend.

Emmple (Interactive Learning Platform)

- Contributed to the admin dashboard, learner/guardian interfaces, and exercise flow UI.
- Implemented multiple UI modules in Angular and integrated them with backend API

Projects

InvoiceGenie — AI-Powered Invoice Management System

React 19, NestJS, PostgreSQL, Redis, Docker, Kubernetes, Material-UI

- Designed and built the entire platform end-to-end with enterprise-grade architecture.
- Implemented AI proposal generator, AI invoice reminders, and contract e-signing workflow.
- Integrated Razorpay for online payments and built a subscription & billing module.
- Developed multi-organization support, analytics dashboards, financial reporting, and GST compliance modules.
- Deployed the platform on DigitalOcean Kubernetes with GitHub Actions CI/CD.

SkyShare — Secure File Sharing Platform

React, NestJS, PostgreSQL, AWS S3, Docker

- Developed the entire frontend and backend, including encrypted file storage and access system.
- Built password-protected file sharing, auto-deletion scheduler (34-hour cron), and S3 integration.

- Implemented end-to-end encryption and secure link generation for protected downloads.
- Deployed Dockerized services with production-ready configuration.

PassMan — Local-First Password Manager (Rust)

Rust, AES-256-GCM, Argon2id, Tauri, React

- Developed the core Rust library handling encryption, vault management, authentication, and password generation.
- Built a CLI for managing encrypted vaults with full CRUD operations.
- Implemented secure local storage with Argon2id-based key derivation.
- Currently building a cross-platform desktop GUI using Tauri + React.

Sutra Lang — Toy Programming Language (TypeScript)

- TypeScript, Node.js, Compiler Design Basics
- Built a Hindi-inspired toy programming language focused on readability and fun syntax.
- Implemented a custom lexer, parser, and interpreter in TypeScript.
- Supports variables, conditionals, loops, and print statements.
- Designed for learning language internals and community engagement, not production use.

Website: <https://sutra-lang.tarunjawla.com/>

Education

- **B.Tech (Information Technology)**
Galgotias College of Engineering & Technology
GPA: 7.31 | 2019–2023