

# SHAHNOOR MUJAWAR

Full Stack Developer

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## EXPERIENCE

Full-Stack Engineer – Tech Lead

Bengaluru, India

OneRoot

12/2024 - Present

- **Led and mentored a team of developers** to architect and deliver a high-performance **React + NestJS** application, increasing development velocity by **30%** and reducing critical bugs by **25%** through clean architecture, code reviews, and strong frontend-backend alignment.
- **Worked closely with founders** and operations teams to align delivery with field workflows and reduce operational friction
- **Designed and implemented scalable backend systems** with intelligent **Redis caching**, improving API response times by **40%** and significantly reducing server load through optimized data retrieval and performance tuning.
- **Containerized and deployed services** using **Docker** on **AWS** EC2, managing releases via SSH to EC2 instances and pulling images from ECR, ensuring consistent, reliable deployments across environments.
- **Integrated seamless data flow** between the dashboard and the app's core features, ensuring accurate harvest reporting and harvester coordination, contributing to a **20% reduction** in operational bottlenecks and improving overall system reliability.

Full Stack Developer

Bengaluru, India

Quinx innovations

07/2024 - 12/2024

- **Built** scalable backend APIs using **Nest.js**, **DynamoDB** & **AWS**; improved API response times **25%**
- **Collaborated with UI/UX designers** to refine and optimize **ReactJS** frontend components, improving user engagement by **15%** through intuitive, responsive, and user-centered interface enhancements.
- **Integrated AWS security best practices**, including IAM roles, encryption, and strict access policies, to safeguard sensitive customer data and ensure compliance with industry security standards.

## SKILLS

### Backend & Systems:

Node.js, TypeScript, NestJS, Express.js, PostgreSQL, Redis, DynamoDB, MongoDB, Prisma, BullMQ, Background Workers, REST APIs, System Design

**Frontend & Mobile:** React.js, React Native, Expo, Next.js, Tailwind CSS, Zustand, Redux, React Query / TanStack Query

### Infrastructure & DevOps:

Docker, AWS (EC2, ECR, S3, RDS), Nginx, Linux, GitHub Actions, Cloudflare, GCP Cloud SQL, CI/CD, Observability (Sentry, PostHog, Mixpanel)

**AI / Data Workflows:** Vector Databases, HuggingFace Embeddings, Semantic Search, Async Pipelines, RAG

## PROJECTS

### Dtrue – AI-Powered Debate & Opinion Platform

<https://play.google.com/store/apps/details?id=com.shahnoor.dtrue>

- Built a **structured discussion platform** designed to reduce noise in online debates through **AI-generated summaries, opinion scoring, and semantic retrieval**
- Designed full **mobile + backend system architecture** — **React Native** app, **NestJS** services, **PostgreSQL schema**, **Redis caching**, and **BullMQ** **async pipelines**
- Implemented **scalable summarization workflows** with batching & chunking and **Qdrant-based vector search** for topic discovery
- Developed **AI pipelines** using **DeepSeek + HuggingFace embeddings**, deployed via **async background workers on AWS**

### PushEnv – Open-Source Zero-Knowledge Environment Sync Tool

<https://www.npmjs.com/package/pushevn>

- Built a **developer-first secure configuration sync tool** for safely sharing environment variables across machines and environments
- Designed **AES-256-GCM local-first encryption**, encrypted blob storage, **recovery-key flow**, and versioned configuration history
- Developed **CLI workflow (init / push / pull / diff)** with local key management and **auditable config state**
- Backend implemented using **NestJS + Neon/Postgres** for reliability and safety-by-default behavior

### PingPanda – Real-Time SaaS Event & Notification Platform

<https://pingpanda.dtrue.online/>

- **Built a developer-focused** event tracking platform where apps send structured event payloads (signups, payments, errors) via snippet/API, with notifications delivered to Discord
- **Implemented** reliable delivery semantics with retries, idempotency, and background workers, plus dashboard-based event management and analytics signals

## EDUCATION

### Diploma in Computer Science And Engineering (CSE)

09/2021 - 06/2024

Government Polytechnic, [CGPA 8.9/10](#)