

# Tejas P R

## Software Engineer

Bengaluru, India • tejas.teju02@gmail.com • +91 9538632743 • [GitHub](#) • [LinkedIn](#) • [Portfolio](#) • [Google Skills](#) • [notion](#)

### PROFESSIONAL SUMMARY

Software engineer with 1+ year of production experience architecting high-concurrency backend systems, distributed APIs, and full-stack product features. Focused on scalability, performance optimization, and end-to-end ownership — from async Django/Node.js services and Redis-backed data layers to component-driven React/Next.js frontends. Published researcher, Springer ICICC 2024.

### TECHNICAL SKILLS

**Frontend:** React/Next.js, TypeScript, React Native, TailwindCSS, HTML/CSS.

**Backend:** Node.js/Express, Django REST Framework, WebSockets, BullMQ, Event-Driven Architecture.

**Databases:** PostgreSQL, MySQL, MongoDB, Redis, TimescaleDB, Prisma ORM.

**DevOps & Cloud:** Docker, Kubernetes, AWS (EC2, ECS), CI/CD, Prometheus, Grafana.

**Testing & Practices:** System Design, Unit/Integration Testing, Agile/Scrum.

**Tools:** Turborepo, Docker Compose, Git/GitHub, Postman, Linux, LangChain.

### PROFESSIONAL EXPERIENCE

**Cronlab Solutions** | Junior Software Developer | *March 2025 – Present*

- Engineered a high-concurrency reservation and checkout system using Django + Redis distributed locks; transitioned inventory reconciliation to async ETL/polling, cutting race conditions by 99.9% and handling 10,000+ daily cart operations at peak load across 1,000+ concurrent users.
- Architected a system-wide Global Search infrastructure driven by MySQL Full-Text Search and frontend debouncing, reducing API query latency by ~45% and standardizing search UX across 15+ marketplace modules.
- Scaffolded SmartGrow Marketplace from zero using Turborepo — defined monorepo structure, routing, state management, component library, and API layer across a 3-person cross-functional team.
- Built multi-tenant dashboards managing cultivation, inventory, and transfer workflows across 10+ farms; reduced user search time by ~60% via advanced filtering, tag-based search, and pagination.
- Strengthened organizational security by implementing RBAC, double-submit protection, and multi-tenant access controls, effectively neutralizing 100% of unauthorized payload execution risks.
- Unified 15+ disjointed UI components into a shared reusable architecture, reducing boilerplate by ~35% and frontend response delay by 200–300ms via optimistic UI updates.
- Delivered 8+ client-facing Cisco features; implemented Redis-cached high-frequency dropdowns achieving sub-10ms response times and ~95% backend load reduction.
- Automated compliance reporting for 50,000+ plant records, cutting manual effort by ~80%; shipped a cross-platform React Native app for field operators with offline-capable workflows.

### PROJECTS

**ION — Cloud Deployment Platform** | Bun, Node.js, Redis, PostgreSQL, Prisma ORM, Docker, Cloudflare R2/S3, Turborepo [GitHub](#)

- Engineered a scalable Cloud Deployment Platform (Bun, Node.js, Redis, PostgreSQL) using a Distributed Microservices Architecture and an asynchronous, non-blocking build pipeline with Docker for isolated repository builds and real-time status transitions.
- Developed key performance features including high-concurrency log streaming (WebSockets/Redis Pub/Sub) for millisecond-latency user feedback and a custom dynamic “Edge” proxy for optimized static asset delivery.
- Optimized security and resource management by integrating Docker for build-time isolation and leveraging Prisma ORM/PostgreSQL for robust multi-tenant data handling.
- The entire platform orchestrates 5 specialized services (Repo, Build, Request, WebSocket, Auth) via Turborepo and Cloudflare R2/S3 storage.

**Stackwatch — Uptime Monitoring Platform** | Next.js, Node.js, Redis, PostgreSQL, Prisma ORM, Docker, TypeScript | [GitHub](#)

- Designed a scalable microservices architecture that isolates key functions (API, background processing, and real-time events) within a single codebase.
- Engineered a high-performance monitoring engine to conduct concurrent health checks on over 50 endpoints, capturing and analyzing latency data with millisecond precision.
- Implemented a reliable pipeline for real-time health checks, automatically triggering automated alerts via email and calls when specific uptime thresholds are breached.
- Delivered a full-stack, responsive admin dashboard for complete observability, providing a user-friendly view of monitored data and system health.

### EDUCATION

**M S Ramaiah University of Applied Sciences, Bengaluru** | *2020 – 2024*

Bachelor of Technology, Computer Science and Engineering — CGPA: 8.08 / 10

### ACHIEVEMENTS AND CERTIFICATIONS

- Published:** [Financial Fortunes: Stock Price Prediction Using LSTM](#) — ICICC Conference, Springer, 2024.
- Certified:** [100xDevs — Full Stack Web Dev & DevOps Cohort 3, 2024](#): System design, TypeScript, Docker, Kubernetes, AWS.
- Google Cloud Certified:** The Basics of Google Cloud Compute — Google Skills (May 2026) Google Cloud Certified: Introduction to Generative AI — Google Skills (May 2026) Google Cloud Badge: Arcade Base Camp May 2026 — [Google Skills \(May 2026\)](#)