

Tejas P R

Full Stack Developer

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PROFESSIONAL SUMMARY

Full Stack Developer with 1+ year of professional experience building production-grade web and mobile applications. Proficient in React.js, Next.js, Node.js, TypeScript, PostgreSQL, Redis, Docker, and AWS. Strong foundation in system design, microservices architecture, and real-time systems. Published researcher — Springer ICICC 2024.

TECHNICAL SKILLS

Frontend: React.js, Next.js, TypeScript, React Native, TailwindCSS, HTML5 / CSS3, Responsive Design, Performance Optimization

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

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

DevOps & Cloud: Docker, Kubernetes, AWS (EC2, ECS, ASG, Load Balancer), CI/CD Pipelines, Prometheus, Grafana

Testing & Practices: Unit & Integration Testing, System Design, Agile / Scrum, Code Review

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

PROFESSIONAL EXPERIENCE

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

Project: SmartGrow Platform and Marketplace | **React.js, ShadCN, React Native, TypeScript, Django, Redis, MySQL**

- Architected SmartGrow Marketplace from scratch using Turborepo — defined folder structure, routing strategy, state management, component library, and API integration layer; contributed full-stack (frontend to backend) alongside a 3-person cross-functional team.
- Authored unit and component-level test cases (Jest/Vitest) for the Marketplace codebase, improving code reliability and reducing regression bugs across Agile sprint cycles.
- Built multi-tenant React.js dashboards across 10+ farms managing cultivation, inventory, and transfer workflows; reduced user search time by ~60% via advanced search, pagination, and tag-based filtering.
- Automated METRIC compliance reporting for 50,000+ plant records cutting manual effort by ~80%; delivered interactive data visualizations (graphs, timelines) backed by optimized REST APIs, improving dashboard responsiveness.
- Developed and shipped a cross-platform React Native mobile app for field operators with full feature parity, integrating REST APIs and enabling offline-capable workflows for on-site farm management.

Project: Cisco | **React.js, TypeScript, Django, Redis**

- Delivered 8+ client-facing features in a 4-developer team aligned with Cisco stakeholder requirements, improving UX consistency and cross-platform reliability across 5+ product modules.
- Implemented Redis-based caching for high-frequency filtered dropdowns, achieving ~95% API latency reduction with sub-10ms response times, reducing backend load across all dashboard consumers.
- Engineered a widget-based drag-and-drop **dashboard** with configurable layout support, increasing user flexibility and reducing navigation friction for Cisco's internal operations teams.
- Led Agile sprint planning, code reviews, and cross-team requirement alignment, ensuring on-time delivery of features across a distributed client engagement.

PROJECTS

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

- Engineered a Distributed Microservices Architecture: Built a scalable deployment platform using Bun and Turborepo, orchestrating 5 specialized services (Repo, Build, Request, WebSocket, Auth) via Redis and Cloudflare R2/S3 storage.
- Architected an Asynchronous Build Pipeline: Implemented a non-blocking build engine using Redis Queue and worker nodes, enabling isolated Docker-based repository builds with real-time status transitions (Cloning → Building → Success).
- Implemented Real-time Log Streaming: Developed a high-concurrency log streaming system using WebSockets and Redis Pub/Sub, delivering millisecond-latency build feedback to front-end clients through a distributed messaging layer.
- Developed a Dynamic Static-Site Proxy Service: Engineered a custom “Edge” server handling wildcard subdomain routing, performing dynamic lookup of project IDs and streaming build assets directly from S3/R2 with optimized MIME-type mapping.
- Optimized Resource Management & Security: Integrated Docker containerization for build-time isolation, ensuring consistent Node.js build environments while leveraging Prisma ORM and PostgreSQL for robust multi-tenant data management.

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

- Designed a scalable microservices monorepo using Turborepo and Docker, orchestrating dedicated services for API processing, background workers, and real-time event handling.
- Engineered a high-performance observability engine using Node.js, Redis Streams, and TimescaleDB — monitoring 50+ endpoints concurrently with millisecond-precision latency storage and analytics.
- Implemented a producer-worker-notifier pipeline for real-time health checks, triggering automated alerts via email and calls when uptime thresholds are breached.
- Delivered a responsive admin dashboard with Next.js 14, React.js, TailwindCSS, and Prisma ORM for type-safe PostgreSQL interactions and full-stack observability.

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.