

Pagadala Hemanth

Full Stack Engineer | React.js, Node.js, PostgreSQL Bengaluru, Karnataka

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Professional Summary

Results-oriented Full Stack Developer with 2 years of enterprise experience building scalable procurement platforms at Tata Consumer Products. Expert in optimizing backend performance (Node.js/PostgreSQL) and architecting responsive, type-safe frontends (React/TypeScript). Proven ability to reduce API latency and streamline CI/CD workflows in Agile environments

Skills

Frontend: React.js, TypeScript, Next.js, Redux, Tailwind CSS, HTML5, CSS3.

Backend: Node.js, Express.js, PostgreSQL, Python (FastAPI), MongoDB, RESTful APIs.

Tools: Docker, AWS (EC2/S3), CI/CD Pipelines, Git, Postman, Jest (Testing).

Architecture: OAuth 2.0, JWT, Microservices principles, RBAC (Role-Based Access Control).

Experience

Junior Software Developer

Tata Consumer Products(Contracted via MyndIntegratedSolutions)

Jan 2024 - Present

- Core Project: Infiniti – An Integrated Procurement Platform managing end-to-end sourcing of raw materials (Tea, Spices) for domestic and global markets.
- Full Stack Architecture: Engineered the complete lifecycle of the "Infiniti" platform using React, TypeScript, and Node.js, transforming legacy procurement processes into a unified digital workflow.
- Backend Performance Optimization: Redesigned PostgreSQL database schemas and implemented indexing strategies and Redis caching, reducing complex query execution time by 40%.
- Security & Authentication: Implemented secure OAuth/JWT authentication and Role-Based Access Control (RBAC) to manage granular permissions for vendors, procurement managers, and auditors.
- Frontend Scalability: Developed reusable, type-safe UI components in React, reducing code redundancy by 30% and ensuring cross-browser compatibility across vendor portals.
- DevOps Integration: Partnered with DevOps to containerize services using Docker, streamlining deployment cycles via CI/CD pipelines and achieving 99.9% application uptime.
- Quality Assurance: Wrote comprehensive unit and integration tests (Jest) and established rigorous code review practices, reducing production bugs by 20% post-deployment.

KEY PROJECTS

High-Availability Restaurant Management System (formerly Food-App)

Tech Stack: Angular, Java (Spring Boot), MySQL (Transactional), MongoDB (Catalog)

- Hybrid Database Design: Architected a polyglot persistence layer using MySQL for ACID-compliant transactional data (orders/payments) and MongoDB for flexible, high-volume menu catalog storage.
- Concurrency Handling: Implemented Optimistic Locking in Spring Boot to handle concurrent order updates, preventing data inconsistency during peak load simulations.
- Scalable Architecture: Designed the backend using RESTful microservices principles, allowing independent scaling of the "Order Management" and "User Profile" services.
- Performance: Integrated client-side state management in Angular to minimize network requests, improving page load speeds by 300ms.

CERTIFICATIONS

Aug 2022 - Mar 2023

NIIT Stack Route | Full Stack Software Engineering

- Intensive immersive program covering Data Structures, Algorithms, and Full Stack Development (Java/JavaScript ecosystems).

EDUCATION

Kammavari Sangha Institute of Technology - 7.5 CGPA

Aug 2022 - Mar 2023

Bachelor of Technology in Computer Science, Bengaluru, Karnataka, India

Sai Natha Jr College - 96.1 %

Jun 2016 - Mar 2018

Intermediate in MPC