

Salavala Rahul Raju Full Stack Developer

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Summary

Results-driven Full Stack Developer with 2+ years of expertise in designing and developing scalable, high-performance web applications and cloud-based solutions. Proficient in React (Next.js), TypeScript, Node.js, Spring Boot, and GraphQL, with hands-on experience in microservices, event-driven architectures, and real-time data processing. Skilled in AWS (Fargate, Lambda, Kinesis, S3) and Azure (AKS, Blob Storage, CDN) for cloud-native deployments. Strong problem-solving abilities, collaborative mindset, and effective communication skills in Agile environments. Experienced in database optimization (PostgreSQL, MongoDB, Redis), CI/CD automation, API security, and performance tuning.

Technical Skills

- **Frontend Development:** React.js (Next.js), Redux, TypeScript, Tailwind CSS, WebSockets, Server-Side Rendering (SSR), Dynamic UI Components
- **Backend Development:** Node.js, Express.js, Spring Boot, Hibernate, GraphQL, REST API, Microservices Architecture RabbitMQ, Kafka, FIX Protocol, OAuth2, JWT, Keycloak, Spring Security
- **Database Management & Optimization:** PostgreSQL, MongoDB, Redis, Query Optimization, Partitioning, Indexing, Caching
- **Cloud & DevOps:** AWS (Fargate, Lambda, Kinesis, S3), Azure (AKS, Blob Storage, Azure CDN), Docker, Kubernetes, Terraform
- **CI/CD Pipelines:** GitHub Actions, Azure DevOps
- **Testing & Performance Monitoring:** Jest, Mocha, Chai (Unit Testing), Cypress (End-to-End Testing), Prometheus, ELK Stack (Elasticsearch, Logstash, Kibana)
- **Agile & Collaboration:** Agile (Scrum), Requirement Gathering, Cross-Team Collaboration

Professional Experience

Full Stack Developer, Jefferies Group 02/2024 – Present | Remote, USA

- Developed an interactive, high-performance trading frontend using Next.js, React, TypeScript, and WebSockets, enabling real-time order book updates, dynamic price charts, and an responsive UI for trade execution with millisecond-level latency.
- Engineered a scalable backend architecture using Node.js, Express, and GraphQL, using microservices, FIX Protocol, and Kafka for high-speed market data processing, secure trade execution, and seamless communication between trading algorithms and order execution engines.
- Implemented a HFT engine using RabbitMQ & FIX Protocol, optimizing order book managing and ensuring ultra-low latency trade execution while holding compliance with financial regulations (SEC, MiFID II) for institutional-grade trading.
- Optimized database performance and scalability by designing efficient indexing strategies, implementing partitioning and caching (Redis, PostgreSQL, MongoDB), and tuning queries to handle millions of trades per second while ensuring ACID compliance and minimal latency.
- Deployed a cloud-native infrastructure using AWS Fargate, AWS Lambda, Kubernetes, and Terraform for auto-scaling, high availability, and fault tolerance for handling large-scale institutional trading with event-driven architecture.
- Implemented real-time data streaming and analytics using AWS Kinesis, AWS S3, ELK Stack, providing traders with instant insights into P&L, liquidity risk, slippage, and market exposure for informed decision-making.
- Collaborated with quants, traders, and DevOps teams in an Agile environment, gathering requirements, refining trading algorithms, and deploying CI/CD pipelines with GitHub Actions and Prometheus-based monitoring for real-time system health tracking and performance optimization.

Associate Full Stack Developer, Wipro 01/2022 – 07/2023 | Hyderabad, India

- Collaborated with cross-functional teams in an Agile environment, working with UI/UX designers, DevOps engineers, and product managers to define system requirements and ensure a scalable and user-friendly architecture.
- Designed and developed the frontend using React (Next.js), Redux, and Tailwind CSS, implementing server-side rendering (SSR) for improved SEO, faster load times, and a seamless multi-vendor storefront experience.
- Developed and optimized the backend for a Multi-Tenant SaaS E-Commerce Platform using Spring Boot, Hibernate, and PostgreSQL, implementing a hybrid REST and GraphQL API to support dynamic product management, order processing, and multi-tenant data handling.
- Implemented OAuth2 authentication with Spring Security and Keycloak, using role-based access control (RBAC) and JWT tokens to secure authentication and authorization for vendors, admins, and customers.
- Optimized microservices architecture with RabbitMQ for asynchronous order processing, improving system scalability and reducing API response times by 40% during peak sales events.
- Deployed and managed cloud infrastructure using Azure (AKS, Blob Storage, Azure CDN), Docker, and Kubernetes, ensuring high availability, auto-scaling, and efficient media storage for product images and user-generated content.
- Implemented CI/CD pipelines with Azure DevOps, Terraform, and GitHub Actions, automating testing, deployment, and infrastructure provisioning, reducing deployment time by 60% while maintaining high code quality and security.

Education

Master of Science, University of Central Missouri 08/2023 – 12/2024 | Warrensburg, MO, USA

Computer Science

Bachelor of Engineering, Presidency University 08/2018 – 06/2022 | Bengaluru, India

Electronics and Communication