

Siddhartha Gurram

Software Developer

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Summary

Results-driven Software Developer with 2+ years of expertise in building scalable, high-performance applications across finance, e-commerce, and cloud-based platforms. Skilled in Node.js (Nest.js), Spring Boot, React.js (Next.js), Kafka, GraphQL, PostgreSQL, and Azure DevOps. Experienced in designing microservices, optimizing database performance, implementing CI/CD pipelines, and ensuring enterprise security (OAuth 2.0, PCI DSS, RBAC). Strong background in real-time systems, cloud-native architectures, and high-availability solutions, handling 1M+ transactions daily with 99.98% uptime. Passionate about performance optimization, cloud deployment, and end-to-end software development lifecycle in Agile environments.

Technical Skills

- Frontend Technologies:** React.js, Next.js, Redux, Tailwind CSS, Material UI, WebSockets, Java, JavaScript, TypeScript
- Backend Technologies:** Node.js, Nest.js, Spring Boot, Spring Cloud, Express.js, GraphQL, gRPC
- Databases & Optimization:** PostgreSQL, TimescaleDB, Redis, MySQL, ACID Transactions, Query Optimization, Sharding, Partitioning
- Event-Driven & Messaging Systems:** Kafka, RabbitMQ, WebRTC, CQRS (Command Query Responsibility Segregation)
- API Development & Security:** OAuth 2.0, OpenID Connect, JWT, RBAC, API Gateway, HSM, Rate Limiting, AES-256 Encryption
- Cloud & DevOps:** Azure DevOps, Terraform, Azure App Services, Azure Functions, Azure Kubernetes Service (AKS), Load Balancing, Auto-Scaling, AWS (EC2, S3, RDS, Lambda, API Gateway, CodePipeline, IAM, CloudWatch)
- CI/CD & Deployment:** Blue-Green Deployment, Canary Deployment, GitHub Actions, Jenkins, SonarQube, Prometheus, Grafana, Infrastructure as Code (IaC)
- Testing & Automation:** Jest, Mocha, Chai, Supertest, Postman, Newman, Selenium, Cypress, JUnit, Performance & Load Testing (Gatling, JMeter)
- Software Architecture & Patterns:** Microservices, Monorepo, Domain-Driven Design (DDD), Hexagonal Architecture, Event Sourcing, Circuit Breaker, API Rate Limiting
- Software Development Methodologies:** Agile, Scrum, TDD, Behavior-Driven Development (BDD), Pair Programming

Professional Experience

Software Developer, Addepar

07/2024 – Present | Remote, USA

- Developed a Multi-Asset Robo-Advisory Platform by collaborating with cross-functional teams in an Agile environment, integrating GraphQL APIs for personalized portfolio management, ensuring real-time trading execution with sub-50ms latency for 100K+ investors.
- Engineered a high-performance backend using Node.js (Nest.js), Kafka, and gRPC microservices, optimizing trade execution pipelines, securing OAuth 2.0 API authentication, and processing 500K+ daily transactions with an event-driven architecture.
- Designed and optimized databases with PostgreSQL and TimescaleDB, implementing sharding, partitioning, multi-region replication, and real-time asset tracking, reducing query latency by 40% and ensuring 99.98% uptime.
- Built an advanced frontend with React.js (Next.js), using WebSockets for live portfolio updates, Recharts for investment insights, and SSR for SEO, achieving 30% faster UI rendering and improved client-side performance.
- Implemented security and testing standards, applying RBAC, PCI DSS compliance, and HSM-based encryption while conducting unit testing (Mocha, Chai), integration testing (Supertest), API testing (Postman, Newman), and performance testing (JMeter).
- Developed a CI/CD pipeline and deployed on AWS using AWS CodePipeline, Terraform (IaC), Blue-Green deployments, monitoring via Prometheus & Grafana, ensuring 85% reduction in deployment failures and scalable, secure cloud deployment.

Associate Software Developer, LTIMindtree

01/2021 - 08/2022 | Hyderabad, India

- Developed a scalable Multi-Vendor Marketplace Platform in an Agile environment, collaborating with 10+ stakeholders. Designed API contracts and workflows, ensuring 99.9% uptime and seamless vendor-customer interactions across microservices.
- Built a high-performance front-end using React.js and Next.js, improving page load speed by 40%. Integrated A/B testing, Tailwind CSS, and Material UI, enhancing UI/UX and increasing engagement by 25%.
- Engineered a resilient backend with Spring Boot, Spring Cloud, and Kafka, processing 1M+ transactions daily. Implemented Circuit Breaker patterns, API Gateway, and Resilience4j, ensuring 99.95% fault tolerance and high availability.
- Optimized PostgreSQL database performance using partitioning, indexing, and caching, reducing query response time by 60%. Used HikariCP for connection pooling and Hibernate second-level caching with Redis for low-latency data access.
- Implemented enterprise-grade security with OAuth2.0, OpenID Connect, and JWT, securing 500K+ daily logins. Enforced RBAC, AES-256 encryption, and API rate limiting, preventing unauthorized access and mitigating cyber threats.
- Developed robust CI/CD pipelines using Azure DevOps, reducing deployment time by 70%. Integrated Terraform, SonarQube, and blue-green deployments, ensuring zero downtime updates and high system reliability.
- Deployed on Azure App Services with SQL Geo-Replication, handling 2M+ monthly users. Configured Application Insights for real-time monitoring, auto-scaling, and Azure Key Vault for secure credential management.

Education

Master of Science, University of North Texas
Computer Science

08/2022 – 05/2024 | Denton, TX, USA