# Sravan Betanapalli
## Full Stack Java Microservices Cloud Native Developer

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## PROFESSIONAL SUMMARY

Full Stack Java Microservices Cloud-Native Developer with 9 years of SDLC experience in designing, developing, deploying and monitoring enterprise applications. Proficient in Java, Spring Boot, Hibernate, Angular, and RESTful APIs with OAuth2 security. Skilled in microservices architecture, event-driven messaging (Kafka/RabbitMQ), and cloud platforms (PCF, AWS, Azure). Expertise in Docker, Kubernetes, CI/CD, and Agile (TDD, BDD) for scalable, high-performance solutions with strong problem-solving skills.

## EDUCATION

**EDUCATION** 7.9GPA -- B. Tech. (2016) – GITAM University | 94% --12th - M.P.C. (2012) – BIEAP | 89% -- S.S.C (2010) - BSEAP

## TECHNICAL SKILLS

**Languages & Frameworks**: Java(8/11/17), J2EE, Spring Boot 2.7/3, Spring MVC, Spring Cloud, Spring AI, Hibernate, ReactJS, Angular (11/17), TypeScript, NgRx, Redux, JMS, Kafka, SQL, Node.js.

**Web Technologies**: HTML5, CSS3, Bootstrap, jQuery, AJAX, JSON, XML, REST API, SOAP, GraphQL, WebLogic

**Databases**: MySQL, MongoDB, Cassandra, Oracle, Redis, DynamoDB, DB2, Firebase

**System Design Tools:** Microsoft Visio, Enterprise Architect, PlantUML, Swagger/Open API

**AI Tools Familiarity:** GitHub Copilot, Ollama, LangChain, Llama 2, RAG, MCP, Gen AI, VectorDB, Cursor Vibe Coding

**Cloud & DevOps**: AWS (EC2, S3, RDS, Lambda, EKS, IAM, CloudWatch, SNS/SQS), PCF, Docker, Kubernetes, Terraform, Azure (AKS, App Services, DevOps, SQL Database)

**Messaging & Event-Driven Systems:** Kafka, RabbitMQ, ActiveMQ, IBM-MQ

**Version Control & CI/CD Tools:** Git, GitHub Actions, GitLab, Jenkins, SonarQube, Maven, Gradle, Docker, K8S, Terraform, OWASP, PMD, SonarQube, SpotBugs

**IDEs :** VSCode, Intellij IDEA, Eclipse

**Testing Tools:** JUnit, Mockito, Selenium, Ready API, Postman, SOAP UI, JMeter, Cucumber, Karma, Jasmine, Protractor

**Monitoring Tools:** Splunk, Grafana, AppDynamics, Dynatrace

**Methodologies & Architectures:** Agile (SAFe XP, Scrum, Kanban), TDD, BDD, DDD, Event-Driven Architecture (EDA), Cloud Native Microservices Patterns, RESTful APIs, OAuth2, OpenID Connect

## PROFESSIONAL EXPERIENCE

**Support Solution Architect - 1YOE (Mar 2024 – April 2025[present])      @Mphasis** Ltd, Hyderabad
**FedEx Express**, USA **| Skills**: Java, Spring Boot, AWS EKS, Microservices, Kafka, EA, MS Visio
**Project**: **Delivery Freight Haul Modernization** – Design, Implement modernization of monoliths across.

- Implemented Spring Cloud Resilience4j Rate-Limiter of IP-Based API rate-limiting mechanisms, reducing excessive requests by 40%, ensuring 99.9% uptime during high-traffic periods.
- Achieved zero-downtime production updates through blue-green & canary deployment processes.
- Designed fault-tolerant microservices with retry timeouts, bulkhead patterns -- reduced 50% of failures.
- Deployed containerized microservices using Docker & Kubernetes, ensuring seamless orchestration and scaling on AWS (EKS, EC2, S3) with autoscaling and cost optimization.
- Implemented Cassandra data partitioning strategy that reduced storage costs by 20%.

**Software Development Lead - 2.8YOE (Sept 2021 – Mar 2024)      @Mphasis** Ltd, Hyderabad
**FedEx Express, USA, APAC | Skills:** Java11/17, SpringBoot 2.7&3.0, JMS, PCF, Cassandra, Angular 13&17
**Project: Pickup Freight Haul Modernization –** Implement microservices modernization of monoliths across

- Spearheaded microservices development leveraging Event-Driven Architecture with JMS and Kafka, enabling asynchronous processing and boosting system performance and reliability.
- Worked closely with Architects on HLD & LLDs of scalable microservices and implemented using Spring Boot, Spring Cloud, Hystrix, improved fault tolerance and reducing service downtime by 30%.
- Worked on Technical Docs creation and Change Request proposals, helped in gaining more business.
- Performed RCA of Production critical issues and implemented best monitoring SRE practices
- Earned client trust through strong analytical, interpersonal, and communication skills, driving effective problem-solving and helped securing new project contracts.

- Built dynamic Angular 13/17 UI reusable components using front-end libraries with TypeScript, reducing UI load time by 25% and enhancing user engagement by 20% through improved responsiveness and leveraged NGRx and Redux for state management in Angular applications.
- Enhanced reusable UI components, increasing code reusability by 50% and reducing dev efforts.
- Optimized database performance using Hibernate, Cassandra, and Redis caching; reducing query response time by 35% and enhancing data retrieval speed by 40% - monitored in APM AppDynamics.
- Leveraged Java 11 features such as Streams API, CompletableFuture, and HTTP Client to improve efficiency, scalability, and code maintainability.
- Integrated Kafka for reliable asynchronous communication across microservices.
- Implemented CI/CD pipelines modernization from Jenkins to GitHub Actions, reducing CI/CD costs.
- Developed & secured REST APIs with OAuth2 Client Credentials grant type authentication.
- Deployed cloud-based microservices on PCF and improved App observability with Splunk & AppD.
- Tested using Swagger API doc, improving team collaboration to reduce integration issues.
- Mentored junior dev engineers and guided them in technical development

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**Senior Software Engineer - 3.1YOE (July 2018 – Aug 2021)**          **@Wipro Ltd**, Hyderabad
**FedEx Ground, USA | Skills:** Azure EKS, Angular, DB2, Java, SpringBoot, JMS, Cassandra, IBM-MQ, ActiveMQ
**Project: Delivery Business Rules Re-Engineering –** Modernize IBM iSeries logics to Java open Systems

- Implemented Angular Universal for Server-Side Rendering (SSR), improving SEO, performance, and reducing initial page load time.
- Developed unit and integration tests using JUnit and Mockito, enhancing code quality and reliability.
- Actively participated in Agile development, contributing to daily stand-ups and sprint planning for continuous product improvement
- Performed R&D to modernize 10M DAU serving monolith into Microservices architecture Designed and implemented microservices architecture, seamlessly integrating front-end applications with backend services
- Built scalable web applications using Spring MVC, integrating RESTful APIs and securing access with OAuth2 authentication.
- Worked on complex database schemas using DB2 SQL and Cassandra, developed efficient queries.
- Collaborated with DevSecOps team to implement CI/CD pipelines using Jenkins, GitHub, Fortify, and SonarQube, automating testing and deployment and improved security checks in CICD.
- Conducted load testing with ReadyAPI, JMeter, identifying bottlenecks and optimizing system performance under high concurrency
- Deployed cloud microservices on Azure using App Services and VMs, optimizing performance with Azure Monitoring and App Insights.
- Designed and developed Angular front-end components, delivering responsive, user-friendly interfaces integrated with REST APIs for a seamless user experience
- Performed Peer Reviews, hosted dev-discussions and gathered client requirements
- Developed REST Webservice for direct App Server communication, eliminating the need for a legacy XML translation servers cluster, resulted in drop of 40% infra cost.

**Project Engineer - 1YOE (June 2017 – June 2018)**          **@Wipro** Ltd, Hyderabad
**National Grid & Cadent UK | Skills:** Java, SAP WebDynPro, Fiori, Spring, SQL, OAuth2
**Project: Utility Billing System –** Managed maintenance of Gas & Power billing system

- Worked on migration of Log4j from 1.x to 2.x, improving system security and performance.
- Developed RESTful APIs and implemented Okta authentication for secure service access.
- Performed defect research and implemented fixes

**Associate Backend Engineer - 1YOE (May 2016 – May 2017)**          **@IIRPL,** Mohali
**Innovative Incentives Private Limited, India | Skills:** MySQL, Web Design, CRM
**Project: Reward Management System –** maintenance of field user performance-based reward system

- Supported fields user cases by troubleshooting at Backend CRM database level
- Improved CRM UI layout alignment and made it more responsive.