**Sai Pavan Kumar Gundapaneni**

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**PROFESSIONAL SUMMARY:**

* Over 8 years of progressive experience as a Full Stack Java Developer, contributing to enterprise-grade applications across healthcare, banking, and retail domains with increasing responsibility and technical depth.
* Proficient in developing scalable and maintainable applications using Java/J2EE technologies including Spring Boot, Spring MVC, Hibernate, and JPA.
* Hands-on experience in front-end development using modern JavaScript frameworks such as ReactJS, Angular, and jQuery to create dynamic and responsive web interfaces.
* Strong expertise in building and consuming RESTful and SOAP web services, ensuring secure and efficient data communication across distributed systems.
* Solid understanding of microservices architecture, including designing, developing, deploying, and monitoring services using Spring Boot and containerization tools like Docker.
* Experience with database design and development, including writing complex SQL queries, stored procedures, triggers, and performance tuning using MySQL, Oracle, and SQL Server.
* Knowledge of DevOps practices, with exposure to CI/CD pipelines using Jenkins, version control with Git, and deployment automation on AWS and Azure platforms.
* Skilled in working with Agile/Scrum methodologies, participating in sprint planning, story grooming, daily stand-ups, and retrospectives to deliver high-quality software in iterative cycles.
* Familiar with cloud technologies and infrastructure, including experience with deploying services in AWS EC2, S3, Lambda, and configuring cloud resources for high availability and fault tolerance.
* Strong foundation in object-oriented programming (OOP), design patterns, and test-driven development (TDD) using JUnit, Mockito, and other testing frameworks.
* Collaborated with cross-functional teams including QA, DevOps, Product Owners, and UI/UX Designers to deliver end-to-end solutions aligned with business goals.
* Quick learner and team player with strong analytical and problem-solving skills, constantly exploring new technologies and applying best practices for continuous improvement.

**TECHNICAL SKILLS:**

* **Languages:** Java, SQL, JavaScript, HTML5, CSS3, TypeScript
* **Frameworks:** Spring Boot, Spring MVC, Hibernate, ReactJS, Redux, Node.js, Angular
* **Web Technologies:** REST APIs, SOAP, GraphQL, JSP, Servlets, Bootstrap
* **Databases:** Oracle, MySQL, PostgreSQL, MongoDB, Cassandra
* **Cloud & DevOps:** AWS (EC2, S3, RDS, Lambda),Azure, Jenkins, Docker, Kubernetes, GitLab
* **Tools:** GitHub, Maven, Gradle, Postman, JUnit, Mockito, Log4J, Swagger, ELK Stack, Kafka, RabbitMQ
* **Others:** Microservices Architecture, TDD, Agile/Scrum, CI/CD Pipelines, OAuth2, JWT

**PROFESSIONAL EXPERIENCE:**

**Client:** NextGen Health Care, Atlanta, GA **Role:** Full Stack Java Developer **Duration:** April 2023 – Present

**Project Description:**Developed and enhanced a comprehensive healthcare platform designed to manage patient records, scheduling, prescriptions, and provider communications. The system is used across hospitals and clinics to improve care coordination, compliance, and digital engagement with patients.

**Responsibilities:**

* Developed modular microservices using Spring Boot and Node.js, following microservices best practices for scalability, fault isolation, and maintainability.
* Created dynamic and reusable UI components with ReactJS and Redux to deliver rich user experiences and efficient state management.
* Designed and documented RESTful APIs with proper authentication (OAuth2, JWT) and error handling to support complex business workflows.
* Implemented event-driven communication with Apache Kafka to process real-time patient notifications and system events.
* Managed transactional and unstructured data using MySQL (AWS RDS) and MongoDB, respectively, optimizing database access and data integrity.
* Automated infrastructure provisioning on AWS with Terraform, ensuring consistency and quick environment setup for development, testing, and production.
* Configured and maintained CI/CD pipelines using AWS CodePipeline, integrating automated testing, security scanning, and deployment strategies.
* Followed Test Driven Development (TDD) practices with JUnit and Mockito to improve code reliability and reduce bugs.
* Analyzed application logs and metrics via ELK Stack to proactively monitor system health and troubleshoot production issues.
* Participated in collaborative code reviews, knowledge-sharing sessions, and pair programming to promote team learning and code quality.
* Worked closely with cross-functional teams including product management, QA, and DevOps to deliver features meeting functional and non-functional requirements.
* Contributed to improving project documentation, including API specs, system architecture diagrams, and runbooks.
* Assisted in capacity planning and scaling strategies to maintain high availability and performance during peak loads.

**Environment:** Java, Spring Boot, Node.js, ReactJS, Redux, MySQL (AWS RDS), MongoDB, Apache Kafka, AWS, Terraform, AWS CodePipeline, JUnit, Mockito, ELK Stack, Agile Scrum

**Client**: BMO Harris Bank, Chicago, IL  
**Role**: Full Stack Java Developer  
**Duration**: February 2021 – March 2023

**Project Description**:  
Worked on the development and modernization of the bank’s digital banking platform, focusing on improving performance, transaction transparency, and fraud detection for both retail and corporate banking clients.

**Responsibilities:**

* Developed RESTful microservices using Spring Boot, designing APIs adhering to best practices with proper versioning, error handling, and security considerations.
* Built rich client-side web applications using Angular, focusing on performance optimization through lazy loading and efficient change detection strategies.
* Utilized Apache Kafka to implement event-driven architecture supporting real-time transaction streams and fraud detection workflows.
* Designed database schemas and wrote optimized queries for PostgreSQL, ensuring ACID compliance and consistency; leveraged Cassandra for high-throughput event logging.
* Automated cloud infrastructure provisioning on Azure using Terraform, enabling scalable and repeatable deployments across environments.
* Integrated CI/CD pipelines with Jenkins, automating builds, tests, security scans, and deployments to Azure Kubernetes Service.
* Used Bitbucket for version control, enforcing branching strategies and conducting code reviews to maintain code quality.
* Wrote unit and integration tests with JUnit and Mockito, improving software reliability and facilitating continuous integration.
* Conducted performance tuning by analyzing slow queries and optimizing service response times.
* Configured monitoring and alerting systems using Log4J and Kibana to detect anomalies and reduce downtime.
* Collaborated within Agile Scrum teams, participating in sprint planning, backlog grooming, and daily standups.
* Worked closely with security teams to ensure compliance with banking regulations, applying role-based access controls and encryption techniques.

**Environment:** Java, Spring Boot, Angular, PostgreSQL, Cassandra, Apache Kafka, Azure, Terraform, Jenkins, Bitbucket, JUnit, Mockito, Log4J, Kibana, Agile Scrum

**Client**: Starbucks, Seattle, WA  
**Role**: Java Developer  
**Duration**: September 2019 – January 2021

**Project Description**:  
Revamped Starbucks’ inventory and supply chain system by transitioning from monolithic to microservices-based architecture. The new platform supports real-time stock updates, logistics tracking, and predictive restocking algorithms across stores.

**Responsibilities:**

* Designed and implemented backend microservices with Spring Boot, focusing on modularity, scalability, and ease of maintenance.
* Developed user-facing dashboards using Angular, enhancing usability with responsive design and efficient state management.
* Integrated asynchronous communication patterns using RabbitMQ, decoupling services and improving system resilience.
* Developed and optimized database interactions with MySQL, including query optimization and schema design; implemented Redis caching for improved read performance.
* Automated cloud provisioning using Cloud Deployment Manager on GCP, enabling repeatable and reliable infrastructure setup.
* Created and maintained CI/CD pipelines using GitLab CI, automating build, testing, and deployment processes to improve delivery speed and quality.
* Authored comprehensive unit and integration tests with JUnit and Mockito, driving a culture of testing and early defect detection.
* Collaborated with QA and DevOps teams to triage production issues and deploy hotfixes as necessary.
* Utilized version control with Git, managing feature branches, pull requests, and code merges to support collaborative development.
* Used Log4J integrated with ELK Stack for centralized logging and operational monitoring to quickly identify and resolve issues.
* Improved application performance by profiling JVM memory usage and tuning garbage collection parameters.
* Followed Agile Scrum methodology, actively contributing to sprint planning, backlog refinement, and retrospectives.
* Engaged in cross-team knowledge sharing sessions to align development efforts and encourage best practices.

**Environment:** Java, Spring Boot, Angular, MySQL, Redis, RabbitMQ, GCP, Cloud Deployment Manager, GitLab CI, Git, JUnit, Mockito, Log4J, ELK Stack, Agile Scrum.

**Client**: HashTag Technologies, Coimbatore, India  
**Role**: Java Developer  
**Duration**: July 2017 – August 2019

**Project Description:**Worked on the development of multiple enterprise solutions for clients in logistics, CRM, and HRMS domains. These systems were used by small and medium-sized enterprises to streamline operations, track performance, and automate workflows.

**Responsibilities:**

* Assisted in developing backend RESTful APIs using Spring Boot, focusing on core CRUD operations and business logic implementation.
* Collaborated with frontend developers to integrate UI components built with ReactJS, ensuring seamless communication between frontend and backend.
* Implemented asynchronous messaging using RabbitMQ to improve application responsiveness and fault tolerance.
* Developed and optimized SQL queries in Oracle DB, designed relational schema and maintained data integrity; worked with MongoDB for flexible document storage needs.
* Participated in code reviews, identifying bugs and suggesting improvements to maintain high code quality standards.
* Wrote unit tests with JUnit to verify functionality and helped integrate automated testing in CI pipelines.
* Assisted in troubleshooting and debugging issues in development and staging environments using log analysis and stack traces.
* Automated deployments and infrastructure provisioning on AWS using CloudFormation, improving deployment consistency and reducing manual errors.
* Gained experience with version control using GitHub, practicing effective branching, pull requests, and conflict resolution.
* Participated actively in Agile Scrum ceremonies such as daily standups, sprint planning, and retrospectives to support iterative delivery.
* Maintained application logging with Log4J and supported the creation of monitoring dashboards to aid in production support.
* Developed understanding of secure coding principles by validating inputs, handling exceptions, and protecting sensitive data.

**Environment:** Java, Spring Boot, ReactJS, Oracle DB, MongoDB, RabbitMQ, AWS, CloudFormation, GitHub, JUnit, Log4J, Agile Scrum.

**EDUCATION:**

**Master of Science in Information Technology and Management**  
University of Wisconsin-Milwaukee | Milwaukee, WI

**Bachelor of Technology in Electronics and Communication Engineering**  
Sree Dattha Group of Institutions | JNTU Hyderabad