Siva Sai Kiran Akula

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Professional Summary:

Results-driven Java Full Stack Developer with 7 years of experience in designing and delivering scalable web applications and microservices using Java, Spring Boot, REST APIs, and modern frontend frameworks like React and Angular. Adept at managing multiple high-impact projects simultaneously with strong attention to detail and deadlines. Skilled in system architecture, database management, and CI/CD pipelines with a solid foundation in Agile methodologies and cloud deployment.

Possesses strong analytical and problem-solving skills with a proven ability to make sound technical decisions under pressure. Recognized for excellent communication and cross-functional collaboration, enabling effective teamwork with QA, DevOps, and business stakeholders. Highly adaptable, proactive, and committed to continuous learning and improvement, with a leadership mindset that fosters innovation and results-oriented delivery.

Technical Skills:

Programming Languages	Java, JavaScript, TypeScript, Python
Databases	Oracle, PostgreSQL, MySQL, MongoDB, Cassandra
Web Technologies	HTML, HTML5, CSS/CSS3, AJAX, jQuery, Bootstrap, XML, JSON, UI Material, SASS, Typescript, ES6, Redux, React Hooks, REST API, RESTful API
Frameworks & Technologies	Spring Boot, Spring MVC, Spring Security, Spring Batch, Hibernate, Microservices, RESTful APIs, GraphQL, Kafka, RabbitMQ, ActiveMQ
Testing	JUnit, Mockito, Selenium WebDriver, TestNG
Build Management Tool	Maven, Gradle
Project Tracking Tools	Quality Center, Jira, Zephyr
Tools & IDEs	IntelliJ IDEA, Eclipse, NetBeans, PyCharm, Jupyter Notebook, Visual Studio Code
Web/Application Servers	Oracle WebLogic, IBM WebSphere, Apache Tomcat 8.0, Apache Tomcat, JBoss
DevOps & CI/CD	Jenkins,Maven,Gradle, Docker, Kubernetes, Terraform, Git, GitHub Actions
Machine Learning Algorithms	Regression (Linear, Logistic), K-Means Clustering, Decision Trees, Random Forest, SVM, KNN, Neural Networks
Methodologies	SDLC, Agile, Waterfall, SCRUM
Operating System	Windows, Linux, Mac OS

Educational Qualifications:

- **_Master of Science (MS)_**
  Data Science / Computer Science |Sep 2023 – May 2025 | Saint Peter's University, New Jersey, The USA
- **_Bachelor of Technology (B. TECH)_**
  Computer Science / June 2014 – May 2018 |Koneru Lakshmaiah University (KLU), Andhra Pradesh, India

Professional Experience:

Senior Software Engineer   May 2023- August 2023
Innova Solutions   *Bengaluru-India*

Project: Bullhorn – Recruitment Platform Modernization

- Built scalable microservices using Java and Spring Boot, processing over 1,500 user requests per minute.
- Integrated Kafka for asynchronous communication, enabling real-time event-driven architecture.
- Designed and exposed secure RESTful APIs using OAuth2 and JWT, facilitating seamless user authentication and third-party integration.
- Refactored legacy Java code to enhance readability and modularity, reducing technical debt and improving system response time by 30%.
- Implemented batch data automation with Spring Batch, reducing manual intervention by 60%.
- Optimized SQL queries and indexing strategies to improve data retrieval performance by 40%.
- Contributed to CI/CD pipelines using Jenkins and GitHub Actions, cutting deployment time by 50%.
- Collaborated in daily Agile stand-ups and sprint reviews, working in cross-functional teams for feature delivery.

Software Engineer   May 2021- April 2023
Kumaran Systems Pvt Ltd   *Chennai-India*

Project: Honda – Change Point Control System (CPCS)

- Migrated critical mainframe modules (JCL, COBOL, DB2) to modern Java Spring Batch architecture.
- Engineered multithreaded batch jobs to handle parallel processing of 500+ daily production change requests.
- Achieved 90% code coverage using JUnit and Mockito to ensure test reliability and system integrity.
- Reduced batch job run time by 40% by optimizing database queries and ETL pipelines.
- Built reusable service layers and data mappers to streamline backend integration.
- Created documentation and onboarding materials for new developers transitioning from legacy systems

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Junior Software Engineer   December 2017- April 2021
San Information Technology Solutions Pvt Ltd   *Hyderabad-India*

Projects: Medical Insurance Claims | Sales Optimization | Clinical Forecasting

- Designed and developed REST APIs using Java and Spring Boot for processing insurance claims and healthcare data.

- Built test automation frameworks using Selenium WebDriver, TestNG, and Cucumber, reducing regression effort by 50%.

- Integrated cloud storage via AWS S3 and Lambda for document upload and claim event triggers.

- Developed data dashboards using SQL and internal tools, providing real-time access to sales insights and forecasting.

- Performed root cause analysis and resolved critical production defects under tight SLAs.

- Collaborated with QA, DevOps, and frontend teams in Agile delivery cycles.

- Developed test cases for enhancements based on client requirements, ensuring high-quality deliverables.

- Automated regression and functionality tests using Selenium WebDriver, streamlining testing processes.

- Conducted detailed data analysis using SQL, enabling insights into customer behavior and sales patterns.

- Worked on cross-functional collaboration to define test strategies and enhance application reliability.

- Identified and tracked defects, ensuring timely resolution and application stability.