Sai Krishna Madala Software Engineer

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Profile

Dynamic Full-stack Software Engineer with **4+** years of experience architecting and deploying high-performance applications. Specialized in **Java** and **Spring Boot**, with proven expertise in creating responsive user interfaces using modern web technologies. Demonstrated success in building robust **AWS** cloud solutions, optimizing system performance, and streamlining development with effective **CI/CD** practices.

Skills

Front-end Technologies: HTML5, CSS3, JavaScript, Angular, React.js, Vue.js, Bootstrap, jQuery, AJAX, Redux
Back-end Technologies: Java, Spring Boot, Node.js, Hibernate, JPA, JSF, Python, GO, Django, C, MVC Framework, RESTful APIs, Hibernate, Maven, Micro-services
Database: PostgreSQL, MySQL, MongoDB, SQL Server, Oracle, Redshift, Cassandra
DevOps & Tools: Docker, Kubernetes, Maven, Git, Visual Studio Code, JIRA, CI/CD Pipelines, Apache, Nginx, Swagger, Postman, Jenkins, GitLab,
Testing: JUnit, Selenium, Automated Testing, Mockito
Methodologies: Agile, Scrum, SDLC
Cloud Technology: AWS (EC2, S3, RDS), Microsoft Azure

Professional Experience

Software Engineer, *Cognizant*   08/2023 – Present | Remote, USA

- Led development of responsive e-commerce interfaces using **Angular** and **Redux** integrated with **Java**-based back-end, driving a 25% increase in user engagement.
- Optimized **Oracle database** performance with advanced **query** techniques, improving data retrieval speeds by 30%.
- Architected robust **RESTful APIs** and server-side applications using **Java** and **Spring Boot**, enhancing system reliability and scalability by 35%.
- Containerized **Java** applications with **Docker** and managed **Kubernetes** orchestration, boosting deployment efficiency by 40% and simplifying **microservices** management.
- Implemented **CI/CD** pipelines with **Jenkins** and **Maven**, integrating **JUnit** and **Selenium** for automated testing to reduce production defects by 50% and accelerate release cycles.
- Spearheaded the migration of legacy systems to **AWS**, leveraging cloud services to enhance performance, scalability, and cost efficiency.

Software Engineer, *Genpact*   10/2019 – 05/2022 | Hyderabad, India

- Developed enterprise-grade CRM applications using **Java**, **Spring Boot**, and **JSF**, aligning technology solutions with business requirements and increasing user satisfaction by 25%.
- Designed and enhanced front-end interfaces with **Bootstrap**, **HTML**, **CSS**, and **JavaScript**, driving a 30% improvement in user engagement through superior **UI/UX** design.
- Boosted application performance by 20% through development of **RESTful APIs** with **Spring MVC** and **Hibernate**, reducing data retrieval latency by 25%.
- Integrated **AWS** services (**EC2**, **S3, RDS**) and leveraged **Docker** for containerization to deploy scalable, reliable cloud solutions.
- Streamlined release cycles by implementing automated **CI/CD** pipelines using **Jenkins**, allowing the team to focus on feature innovation.
- Achieved 85% code coverage with **JUnit** testing, reducing production defects by 50% and ensuring high-quality software delivery.

Education

- **Master of Science in Computer Science**
  Auburn University at Montgomery, Montgomery, AL, USA
  06/2022 – 12/2023
- **Bachelor of Technology in Computer Engineering**
  Sreyas Institute of Engineering and Technology, Hyderabad, India
  08/2015 – 06/2019