Sai Lokesh Samudrala

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SUMMARY

Results-driven Full Stack Developer with 3+ years of experience designing, developing, and optimizing scalable web applications using Java, Spring Boot, React.js, and AWS. Expertise in Microservices architecture, RESTful APIs, DevOps, and Agile methodologies. Proven ability to improve application performance by 40%, automate CI/CD pipelines, and enhance system security using OAuth2.0 & JWT authentication. Passionate about delivering high-performance solutions that drive business success.

EDUCATION

University of North Carolina at Charlotte, North Carolina, USA **Aug 2023 – Dec 2024**
Master of Science in Information Technology GPA: 3.9/4.0

SKILLS

Programming Languages: Java, Python, TypeScript, JavaScript, C#
Web Technologies: ReactJS, Angular, Bootstrap, HTML, CSS, SASS, jQuery, GraphQL, XML, JSON
Frameworks & Libraries: Spring Boot, Spring MVC, Spring Security, Hibernate, JPA, NodeJS, ExpressJS, NextJS, Redux
Databases & Queues: SQL Server, PostgreSQL, MySQL, Oracle, MongoDB, DynamoDB, Cassandra, Elasticsearch, Kafka
Cloud & DevOps: AWS (EC2, S3, IAM, Lambda, RDS, SQS, SNS), Azure, Docker, Kubernetes, Terraform, SonarQube, Jenkins
Development Tools: Git, GitHub, Jira, IntelliJ, VS Code, Postman, Swagger API, Maven, Gradle, Selenium, JUnit, Mockito
AI/ML & Gen AI: LLMs(OpenAI, Llama2), LangChain, RAG, MCP, NLP, Vector DBs, Pytorch, TensorFlow, Scikit-Learn
Methodologies: Agile, Scrum, Kanban, SDLC, Waterfall, TDD, CI/CD

WORK EXPERIENCE

Software Engineer, Persistent Systems, India **Mar 2021 – Jul 2023**

- Developed Java Full Stack applications for Bio-Rad Unity Next Project, reducing lab result processing time by 25%.
- Designed and deployed microservices using Spring Boot and AWS Lambda, improving scalability by 40%.
- Optimized database queries and indexing, reducing query execution time by 30% and improving report generation speed by 20%.
- Integrated AWS services (S3, IAM, RDS, ECS, CloudWatch), reducing infrastructure costs by 15%.
- Refactored Java codebase using SOLID principles, increasing maintainability by 35% and reducing bug occurrence by 20%.
- Developed and optimized RESTful APIs with Spring Boot, handling 100K+ daily API requests with 99.99% uptime.
- Built reusable Object-Oriented UI components in React.js, improving frontend development efficiency by 30%.
- Migrated monolithic applications to microservices, reducing deployment time by 35% and enhancing system scalability.
- Automated CI/CD pipelines using Jenkins, Docker, and Kubernetes, reducing release cycles by 50%.
- Implemented caching strategies (Redis, Ehcache), improving API response time by 30%.
- Integrated OAuth2.0 and JWT authentication, strengthening security compliance and reducing unauthorized access attempts by 40%.
- Led a team of 5 developers, mentoring junior engineers and increasing team productivity by 20%.

Software Engineer, AXIOM IO, India **May 2020 - Feb 2021**

- Designed and deployed front-end applications using React.js and Spring Boot, improving user engagement by 35%.
- Built reusable Object-Oriented UI components in React.js, reducing development time for new features by 25%.
- Developed and optimized RESTful APIs, enabling seamless client-server communication and handling 300K+ API calls per day.
- Optimized Java backend performance by applying multi-threading and asynchronous programming, reducing processing time by 40%.
- Used Factory, Singleton, and Observer Design Patterns, improving code reusability and maintainability by 30%.
- Conducted regular system performance audits, identifying and fixing performance bottlenecks, leading to a 20% increase in efficiency.
- Implemented AWS S3 for secure document storage, reducing file retrieval time by 35%.
- Developed Role-Based Access Control (RBAC) using Spring Security, enhancing data security and reducing unauthorized access incidents by 50%.
- Integrated Hibernate with PostgreSQL, improving database query performance by 30%.
- Automated unit and integration testing using JUnit, Mockito, and Selenium, increasing test coverage to 95%.