

Lakshman Sai Talluri

Software Engineer

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Summary

- Software Engineer with **over 3 years** of experience and a comprehensive understanding of the Software Development Life Cycle (SDLC), including design, development, implementation, and deployment. Proven ability to adapt development strategies to meet diverse business needs.
- Specialized in building robust web applications using Python, **Java, and JavaScript (React.js)**, with hands-on expertise in backend frameworks such as **Flask, Spring Boot, and Spring MVC**.
- Skilled in designing and developing scalable RESTful APIs, applying appropriate **HTTP methods and status codes** to ensure effective client-server communication.
- Familiar with DevOps tools and practices, including Docker, Kubernetes, Jenkins, and GraphQL, to **support CI/CD and scalable deployment pipelines**.

Work Experience

Fiserv, NJ **Aug 2023 - Current**
Software Engineer.

- Developed and maintained responsive front-end interfaces for banking platforms using **React.JS**, ensuring seamless integration with **Spring Boot-powered REST APIs** resulting in a **30%** improvement in customer data access and transaction processing.
- Designed and deployed secure GraphQL APIs in **Spring Boot for real-time transaction queries** and financial insights, improving data retrieval speed by **25%** and adhering to strict banking compliance and regulatory standards.
- Managed **MySQL databases** to support core banking functions, ensuring 20% high availability and zero downtime during peak transaction hours, using **Spring Data JPA**, schema migrations, and advanced query optimization techniques.
- Implemented unit and integration testing frameworks with JUnit and Jest for online banking modules, achieving full test coverage and reducing production incidents by **30% through CI/CD pipelines and automated regression test** suites.
- Implemented multithreaded processing using **Java concurrency tools such as the Executor Framework, Callable, and Future, enhancing processing speed by up to 30%**.
- Developed robust RESTful APIs & microservices using Java 11 and Spring MVC to handle high-volume financial transactions, optimizing server-side performance with JVM tuning to enhance API response times and **transaction throughput by 45%**.

Tatvasoft, India **Jan 2021 – Jul 2022**
Software Engineer.

- Enhanced the Order Management Application by applying **OOP principles, SQL, and UNIX** to streamline order capture and fulfillment, significantly boosting operational efficiency by 20%.
- Designed and documented RESTful APIs using **Swagger to facilitate clear integration** with front-end and third-party applications, ensuring smooth and maintainable communication channels.
- Optimized complex **SQL queries and database indexing strategies**, reducing query execution time by **25%** and improving overall application performance.
- Leveraged **Java concurrency utilities—including the Executor Framework, Callable, and Future—to manage multithreaded processes efficiently, boosting performance by up to 30%**.
- Architected RESTful APIs and microservices leveraging **Java, Spring MVC, React.js, and MongoDB, refining server-side logic with JDBC to enhance** application throughput and reduce API latency by **32%**.
- Orchestrated and **administered MongoDB**, handling millions of records with 30% high availability while leveraging JSP and JavaBeans for responsive content generation, optimizing query execution for peak performance.
- Implemented **CI/CD pipelines using Jenkins and Docker**, automating builds, testing, and deployments to ensure seamless integration and 45% faster software releases.

Skills

- Front-End:** JavaScript, Typescript, HTML5, CSS3, AJAX, JSON, XML, Tailwind CSS, React.js
- Back-End:** Java (17, 11, 8), SQL, Python, C, C++
- Databases:** MS SQL Server, Oracle, MySQL, Mongo DB, PostgreSQL, NoSQL, Dynamo DB
- J2EE Technologies:** JSP, JPA, JVM, JavaBeans, JDBC
- Frameworks:** Spring Boot, Django, Flask, Bootstrap, Spring MVC, jQuery
- Testing Tools:** Selenium, JUnit, Jest, Cypress, Mockito
- Cloud Platforms:** AWS (EC2, SNS, RDS, IAM, Cloud Watch) , GCP
- CI/CD & DevOps Tools:** Jenkins, Git, GitLab, Docker, Kubernetes, Swagger UI, Terraform
- Methodologies:** Agile, Waterfall, SDLC, Kanban
- Others:** Microservices, Jira, Confluence, IntelliJ IDEA, Eclipse, VS Code, Java Networking, RESTful API, Postman API, Keras, PyTorch

Education

Masters in Computer Science, Stevens Institute of Technology, NJ, USA.

Bachelors' in Computer Science, Vignan's University, Guntur, India.

Certification

AWS Certified Developer – Associate.