

SAI KRISHNA

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CAREER SUMMARY:

- Software Engineer professional with **5 YEARS** of experience in building scalable and maintainable Software. Proven track record of delivering high-quality solutions that meet business needs and enhance user experience. Passionate about learning new technologies and applying them to solve complex problems.
- Experienced in a fast - paced Agile Development Environment including Test-Driven Development (TDD) and Scrum and SAFE. (Scaled Agile Framework).
- Proficient with Software development methodologies like Agile and Scrum Methodology.
- Experience in working with Core Java 8 and 17 versions.
- Experience with Spring framework modules such as Spring Core, Spring MVC, Spring Boot, Spring Security, Spring Data JPA, Spring ORM, Spring JDBC, and Spring Cloud.
- Expertise at Angular for creating dynamic web pages for the applications and in using Angular services, templates, directives, and dependency injections to create Single Page Applications. Capable of developing reusable life cycle hooks to the application to add more flexibility and functionality.
- Expert-level knowledge of ReactJS Forms, Events, Router and libraries to build User Interfaces.
- Experience in using Maven and Gradle for build tools.
- Having experience on development of User interface frameworks including Angular, React JS, JSP, RXJS, Typescript, JavaScript, CSS and HTML5.
- Experience in implementing Web Services based on Restful Web Services.
- Expertise in using J2EE Application Servers such as Web Server Tomcat.
- Experience in JDBC Programming and also with writing SQL Queries, stored procedures, Functions, and packages.
- Experience in building/maintaining Docker container clusters managed by Kubernetes.
- Developed microservices with Spring Eureka to retrieve API routes for the entire cluster. Using this strategy each micro service in a cluster can be load balanced exposed through one Spring Cloud API gateway.
- Experience in using build CI/CD technologies like Azure DevOps and Jenkins.
- Collaborated with cross-functional teams, including QA and DevOps teams, to ensure seamless integration of security and compliance measures across different stages of the software development lifecycle.
- Conducted code reviews and provided feedback to other team members, ensuring adherence to established coding standards and best practices.
- Experience in various software development IDEs like IntelliJ, VS Code, Eclipse, and Visual Studio.
- Experience in performing Unit testing, Integration Testing, Regression Testing and generation of test cases using Junit, Mockito and selenium.
- Well-experienced in using Swagger UI, Log 4J2, and POSTMAN for testing frameworks.
- Strong track record of delivering high-quality software solutions and collaborating with cross-functional teams.
- Quick learner, self-motivated, organized, and team player with strong personal and group communication skills.

SKILLS AND STRENGTHS:

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|----------------------------------------------|-----------------------------------------------------------------------|
| • Programming / Scripting Languages : | Java, JavaScript, Python. |
| • Web Development : | React JS, Angular, Typescript, JSP, HTML, CSS. |
| • Back-End : | REST, Spring JPA, Swagger API, JWT, Hibernate. |
| • Frameworks: | Spring, Spring Boot. |
| • Databases : | MySQL, SQL, MongoDB. |
| • CI-CD Tools : | Jenkins, Docker, GIT, GITHUB, Terraform. |
| • AWS : | S3, EC2, API Gateway, ECS, IAM, Kubernetes. |
| • Others : | Microservices, JUnit, Mockito, Postman, Maven, Gradle, Selenium, XML. |

EXPERIENCE:

FORTY NINER

FULL STACK JAVA DEVELOPER

Long Beach, CA

FEB 2022 – APRIL 2023

- Led the Development and ongoing maintenance of the Forty-Niner web portal and successfully executed a migration process, upgrading the app to the latest versions of Angular utilizing functional components.
- Built and deployed a lightweight Web Application using Angular and Spring which made organizational tasks easy and significantly improved productivity by 25%.
- Building Single Page Applications (SPA) with optimized SLA loading times for interfaces, leveraging Angular, HTML, CSS, TypeScript, and Bootstrap. Additionally, I have created reusable components, custom modules, directives, pipes, and services within the Angular framework.
- Designed and deployed new microservices, executed enhancements, and effectively addressed defects and bugs, leading to a resulting 20% decrease in application errors and the enhancement of system stability.
- Worked with dynamic routing of microservice applications using Spring Boot and Spring cloud gateway applications, while handling all the requests.
- Experience with service registry predominantly Eureka to maintain consistency and load balancing among the cluster of servers using replication protocols.
- Ensured robust security measures by implementing Spring Boot and Spring Security(JWT), achieving a 95% reduction in security vulnerabilities and ensuring data protection.
- Automated the entire process of payment transfer using Spring achieving a remarkable 90% reduction in overall processing time and increased the productivity of program coordinators.
- Experienced in implementing and maintaining continuous integration (CI) and delivery pipelines using Jenkins.
- Conducted a comprehensive re-design of MYSQL database schema such that the database is efficient,

- understandable, and normalized and to facilitate easy comprehension for new developers joining the project.
- Developed server-side application to interact with database using Spring Boot and Spring Data JPA.
- Conducted a thorough refactoring of the codebase, adhering to SOLID design principles to enhance maintainability. Successfully decomposed the monolithic app into multiple microservices promoting modularity and scalability.

ACCENTURE

SOFTWARE ENGINEER

Hyderabad, India

JULY 2020 – DEC 2021

- Delivered RESTful Web APIs using Spring Boot and Spring framework. Utilized Microservices architecture, employing an API Gateway to manage and coordinate the overall architecture.
- Using Angular 8 for creating dynamic web pages for the applications and in using Angular services, templates, directives, and dependency injections to create Single Page Applications. Capable of developing reusable life cycle hooks to the application to add more flexibility and functionality.
- Developed multiple reusable components in Angular and React JS reducing code duplication and ensuring consistency.
- Implemented Spring MVC using Spring Controller, resulting in a 25% improvement in request handling and response time.
- Conducted code reviews adhering to clean coding standards and applied SOLID design principles and appropriate Design patterns to enhance code quality, maintainability, and extensibility.
- Used Spring JPA for communicating with MySQL database through Docker.
- Designed and established an Azure DevOps CI/CD workflow for the application to ensure efficient deployment.
- Designed and implemented a robust data ingestion pipeline that interfaces and ingests data from external sources outside the organization and ensured seamless and efficient integration.
- Used CLI to drive all microservices builds out to the Docker Image and then deployed to Kubernetes Pods and managed using Kubernetes for Auto-Scaling and Load Balancing by configuring YAML file.
- Implementing Test-Driven Development (TDD) best practices into code to ensuring comprehensive test coverage and actively participated in Project Requirement discussions, Architecture decisions and Design reviews.
- Involved in writing JUnit and Mockito test cases and day-to-day builds and deployments.

ACCENTURE

ASSOCIATE SOFTWARE ENGINEER

Hyderabad, India

JUNE 2019 – JULY 2020

- Employed automation techniques to optimize and streamline financial processing operations, resulting in a remarkable 80% decrease in the time required to complete the Insurance processing.
- Reshaped Angular components into a reusable NPM package by developing loosely coupled components. Improved modularity and reusability across projects.
- Worked extensively on creating controllers, Interfaces and execution classes utilizing Spring MVC structure.
- Implemented Microservices architecture for the creation of independent components utilizing Spring Boot for consuming RESTful services.
- Implemented Spring Security using Spring JWT to securely communicate JSON objects.
- Migrated from Spring JDBC to Spring Data JPA as the ORM framework to connect with Oracle Database.
- Extensively worked on Jenkins to implement continuous integration (CI) and Continuous deployment (CD) processes.
- Kubernetes is being used to orchestrate the deployment, scaling, and management of Docker.
- Implement a production ready, load-balanced, available, and fault-tolerant Kubernetes infrastructure.
- Incorporated Test-Driven Development (TDD) best practices into code along with unit testing and Integration testing (Selenium) to ensure functional correctness.

LEXICON INFOTECH

JAVA DEVELOPER INTERN

Hyderabad, India

JUNE 2018 – MAY 2019

- Developed front-end UI design implementations by writing HTML5, CSS3, and TypeScript to make better Single Page Application SPA working on Angular.
- Used JDBC for communicating with SQL database. Created and implemented SQL queries for retrieving the data from the database.
- Involved in configuration management setup using the repository and build management using Maven.
- Participated in coding Spring components for the Logging, Exception handling, and Transactional Model to handle many requests.

EDUCATION

- Master’s in computer science from California State University, Long Beach, CA (May 2023).
- Bachelor of Technology from Sreenidhi Institute of Science & Technology, Hyderabad, India (May 2019).

ACHIEVEMENTS

- Honored Shinning Star award for delivering critical projects with dedication and ownership, resulting in zero defects in production at Accenture.
- Certified SAlFe Agile Practitioner SAlFe 5.0.
- Received Spot Award at Forty Niner for end-to-end application development of the E-commerce project within the estimated deadlines.