

Shesha Sai G

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Professional Summary:

- 6+ years of hands-on experience in the design, development, deployment, and support of web-based applications using **Java, Spring Boot, Spring MVC**, and **Microservices architecture**
- Proficient in **Core Java** concepts including Collections, Exception Handling, Multi-threading, JavaBeans, and Design Patterns such as Singleton, Factory, DAO, and MVC
- Proficient in Programming with Application Software Development in IT industry and dynamic experience in Software Development Life Cycle including requirement **gathering, designing, programming, testing** and implementation of major Systems and Software development OOA & OOD.
- Good Knowledge in different SDLC methodologies like Waterfall, Agile (**TDD, SCRUM**).
- Experience in Core Java concepts like **JavaBeans, Collections Frameworks**, Exception handling and Multi threading etc.
- Experience in using core Technologies Java, **J2EE, Servlets, JSP, JDBC, JavaBeans, JavaScript, JNDI, HTML, XML**, Web services, Angular JS, Angular 12 Bootstrap framework, **jQuery**.
- Experience in **JAVA/J2EE** Design Patterns like **Singleton, Factory, Abstract Factory, DAO, Business Delegate**, and Session Façade.
- Strong experience in Spring framework modules such as Spring **MVC, IOC, AOP, JDBC, JTA, IO, Spring Boot**, Spring microservices, Spring REST, Spring Eureka, Spring Ribbon, Spring Netflix, Spring Zuul, Spring Security.
- Experience in developing **lightweight** business components and integrated applications using spring framework, spring web **MVC**.
- Skilled in building backend systems using **Groovy, Grails**, and **Node.js/Express**, integrating with GWT and other frontend frameworks
- Good experience in **Python** backend development using **Django** and **Flask**, including REST API design, user authentication, and data analysis with **Pandas** and **Matplotlib**
- Worked on **AWS Cloud Services** including **EC2, Lambda, DynamoDB, S3, CloudFormation**, and **IAM**, and developed serverless and containerized cloud-native applications
- Exposure to **Azure DevOps**, including pipeline creation and deployment to AKS
- Hands-on experience with **CI/CD tools** such as **Jenkins, GitHub Actions, Gradle**, and **Artifactory** for automating build, test, and deployment pipelines
- Experience using **JUnit, TestNG, Mockito**, and **Cucumber** for unit testing, integration testing, and BDD-style automation
- Strong experience in working with **version control systems** like **Git, SVN**, and **CVS**
- Proficient in IDEs such as **Eclipse, IntelliJ IDEA, NetBeans**, and **WebSphere Studio**, and experienced with **IBM WebSphere, RAD**, and **WebSphere Portal**
- Solid foundation in **Data Structures & Algorithms**, including stacks, queues, searching, and sorting algorithms
- Demonstrated ability to work in **Agile/SCRUM** environments, contributing to daily stand-ups, sprint planning, and continuous integration workflows

Technical Skills:

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|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Programming Languages | Java 11, Java 17, Python |
| Operating Systems | Windows, Linux, Mac and Unix. |
| ORM technology | iBatis, MyBatis, Hibernate. |
| GUI | HTML, DHTML, HTML5, CSS3, SASS, Java Script, JSP, jQuery, AJAX, Angular 12 |
| IDEs | Eclipse, IntelliJ, RAD, NetBeans. |
| Application Servers/Web Servers | Wildfly, Jboss, Apache Tomcat, WebLogic, WebSphere, Oracle, Glassfish. |
| Applications Frameworks and modules | Struts, JSF, Spring Framework, Spring MVC, Spring Boot, Spring, Cloud, Spring, Batch, Spring Core, Spring Hibernate, Spring JDBC, Spring Security. |
| Databases | Oracle, MySQL and SQL Server, MongoDB, Cassandra. |
| Web Technologies | Bootstrap, XML, XSD, XSL/XSLT, AJAX, jQuery, JSON, Typescript HTML5, CSS3, JavaScript, AngularJS, Angular 12.0, Angular 8, Node.js, React JS. |
| Web Services | REST, SOAP, WSDL, SAAJ, SAXJ, RESTful, AWS, Microservices, JAXB -Apache CXF |
| Version Control Systems | GIT, SVN |
| Tools | Viewer: JUnit, Log4J, DOM |
| SOA/Web Services | REST services WSDL, SOAP, SOA |
| Build Automation Tools/ Issue Tracking Tools | Jira, Rally, Ansible, puppet, ANT, Maven, Gradle, Jenkins |
| Cloud Technologies | AWS, Azure, Google Cloud |
| AWS Skills | EC2, S3, RDS, EBS, IAM, AMI, ELB, CLI, SNS, RDS, VPN, NAT, GIT, DNS, Route53, DBA, DynamoDB. |
| Other Tools | Code Quality, Code Coverage, MS Visio Professional, StarUML |
| Java Technologies | J2EE, EJB, JMS, JSTL, JNDI, JSE, JDBC, JPA, AJAX, JSP, Servlets |
| CI/CD Tools | Jenkins, Azure Devops, git lab |
| Containerization | Docker, Kubernetes |

Responsibilities:

- Designed and developed scalable microservices using **Java (JDK 1.8, 11, 17)** and **Spring Boot**, deployed in **Kubernetes** and **PCF** environments.
- Refactored legacy monolithic applications into microservices using **Spring Boot**, applying **12-factor app** principles
- Implemented RESTful APIs using **Spring MVC**, **Spring REST**, and migrated SOAP services to REST endpoints
- Utilized **Spring Security**, **OAuth2**, and **JWT** for securing APIs and user authentication flows
- Developed robust backend components with **Spring Boot**, **Hibernate**, **JPA**, and **JDBC**, integrating with **Oracle**, **MySQL**, **MongoDB**, and **DynamoDB**
- Built real-time data streaming pipelines using **Apache Kafka**, **Spring Kafka**, and **Kafka Streams** for high-volume ingestion
- Integrated **Java Cryptography Extension (JCE)** for secure service-to-service communication and token encryption
- Developed unit and integration test cases using **JUnit**, **Mockito**, and **Cucumber (BDD)** frameworks
- Configured and maintained **CI/CD pipelines** using **Jenkins**, **Docker**, and **Git**, ensuring automated testing and deployment of services
- Created Groovy Domain, Controller, and Service classes, and implemented admin support using **Spring Boot** logging modules
- Built and consumed APIs using **GraphQL** and used REST for inter-service communication across distributed systems
- Managed real-time event tracking and system notifications using **Kafka**, integrated with microservices and frontend clients
- Developed and maintained SPAs using **React.js**, **Angular 12**, **Redux**, and **TypeScript**, focusing on modular and reusable components
- Leveraged **React Hooks** like **useState** and **useEffect** for managing state and side effects
- Developed responsive UI with **JavaScript**, **HTML5**, **CSS3**, **Bootstrap**, **jQuery**, and **AJAX**
- Created React Native modules and integrated them with **Redux** for mobile-first web applications
- Built backend endpoints in **Node.js** and **Express** to support frontend data needs in real-time class scheduling tools
- Used **Web Services (SOAP/REST)** to facilitate data exchange between microservices and external systems
- Monitored microservices and logs using the **ELK Stack (Elasticsearch, Logstash, Kibana)**
- Wrote UNIX shell scripts to automate ETL tasks and control data workflows in production environments
- Used **SAML 2.0** for implementing federated login and authorization protocols
- Configured **Azure DevOps pipelines** for microservice builds and deployments to **AKS** (minimal integration as part of hybrid cloud setup)
- Provisioned basic infrastructure on **Azure** for testing environments, including VMs and storage accounts
- Worked with **IAM roles and access policies** to enforce security across AWS and Azure services
- Practiced agile methodologies including sprint planning, peer reviews, and DevOps collaboration for production issue resolution

Environment: Java 11, Java 17, J2EE, Python, REST Jersey, CSS3/HTML5, Typescript, Spring Rest, Kafka, Selenium, ECS Fargate, Spring 3.0, Angular js, SAML, Groovy, Struts 2.0, OAuth, hibernate 3.0, XML, Servlets, WSDL, SOAP, GraphQL, Eclipse Luna IDE, AGILE/SCRUM, React, Redux, DevOps, AWS Lambda, GCP, AWS, Junit, Selenium, TestNG, Kubernetes, GIT, JIRA, Jenkins, Bugzilla, RabbitMQ, Informatica, OUD, jQuery, RestFul API, IAM, CI/CD, Docker.

Responsibilities:

- Involved in requirements gathering, analysis, design, development, testing, and production support of applications
- Actively participated in daily SCRUM meetings and pair programming to deliver high-quality deliverables on time
- Migrated existing monolithic applications into microservices architecture using Spring Boot and REST APIs
- Developed Spring Boot microservices integrated with Spring Kafka and Spring Cloud Stream for message-driven applications
- Implemented Dependency Injection (IoC) and Aspect-Oriented Programming (AOP) in Spring for loosely coupled development
- Built service and persistence layers using Spring MVC, Hibernate, and DAO design patterns
- Consumed RESTful web services and created APIs with GraphQL for scalable client-server communication
- Designed and developed frontend components using React.js, Angular 12, HTML5, CSS3, JavaScript, and AJAX
- Applied Redux, Redux Thunk, and Redux Saga for efficient global state management and handling async operations
- Wrote Groovy scripts and integrated Grails framework for backend automation and feature enhancement
- Built UI and controller layers using JSP, Servlets, and Google Web Toolkit (GWT) for dynamic web applications
- Created full-stack applications using Django and React.js, including chatbot functionality and user authentication
- Developed backend services with Python (Django/Flask) focusing on CRUD operations and form handling
- Integrated MongoDB and Couchbase (NoSQL) with microservices and managed data access via Hibernate and GraphQL
- Configured centralized logging using the ELK Stack (Elasticsearch, Logstash, Kibana) for distributed systems monitoring
- Developed unit tests using JUnit and performance tests using JTest for robust test coverage and CI validation
- Set up and maintained CI/CD pipelines using Docker, Jenkins, and DevOps best practices
- Designed reusable and modular service components in a service-oriented architecture (SOA)
- Utilized tools like Eclipse IDE, Toad, and SVN for efficient development and version control
- Conducted research and integrated emerging technologies in Java, Kafka, and Kubernetes
- Collaborated with cross-functional teams to optimize high-throughput, real-time Kafka-based systems
- Designed JSON structures for seamless communication between frontend (GWT) and backend services
- Deployed containerized microservices and frontend applications on AWS using services such as EC2, S3, ECS and EKS
- Used AWS CloudFormation and Terraform for infrastructure provisioning and automation
- Configured monitoring and alerting using AWS CloudWatch and SNS for production systems
- Integrated AWS RDS and DynamoDB into backend services for scalable data management
- Managed IAM roles, policies, and user access controls to enforce security and compliance standards in AWS environments

Environment: Java 11, MVC, React, Redux, Hibernate, Spring, J2EE, Agile, JUnit, SAML, Spring REST, Groovy, OAuth, Angular 6, Tortoise SVN, JSP, DB2, Maven, GraphQL, UML, JAX-WS, JAX-RS, Typescript, XML, Couchbase, DevOps, Docker, CI/CD pipeline, MongoDB, ElasticSearch, HTML 5, CSS3, JSON, JavaScript, JBoss.

Responsibilities:

- Involved in various phases of SDLC as requirement gathering, modeling, analysis, architecture design and development and the project was developed using Agile Methodologies.
- Worked on Core Java for multi-threading, collections and GUI AWT.
- Started as a monolithic application that runs on Jboss, later migrated it in to a set of spring boot and **Node.JS MicroServices**.
- Developed applications using J2EE, JSP, Servlet and Spring Bean Classes.
- Developed Business tier and Presentation tier using Struts, JSP. Coding using JSP, HTML, and CSS JavaScript for validation, Servlets using STRUTS framework, JDBC.
- Used Micro services to communicate using synchronous protocols HTTP and REST for implementing SOAP.
- Developed user interfaces for policy owner modules using JSPs, Struts Tag Library, and Tiles framework.
- Implemented REST services using Talend ESB studio.
- Strong advocate for Kafka development standards, conducting code reviews and promoting coding best practices within development teams.
- Managed automation pipelines using REST APIs and integrated GitHub Actions for continuous delivery in Kafka environments.
- Developed Junit test cases for DAO and Service Layer methods.
- Developed application-level persistence using Hibernate and spring framework.
- Wrote Hibernate Query Language (HQL) and Criteria based queries to work with SQLdatabases.
- Experienced with Python frameworks such as Django and Flask, proficient in Django Templates, form handling, user authentication, and CRUD operations. Skilled in using Pandas and Matplotlib for data analysis and visualization.
- Developed test cases using JUNIT to validate several business rules in the application.
- Design and developed the **UI** using Node JS, Spring **MVC, HTML5, CSS3, Bootstrap, JavaScript, jQuery, AJAX**.
- Developed GUI using JSP, JSTL, AJAX, HTML, CSS and JavaScript.
- Involved in client-side Technologies such as HTML, CSS, JavaScript, React JS and Node JS.
- Worked on Query optimization, functions and Stored Procedures and other database objects.
- Worked on Oracle 9i, MySQL.
- Developed/Maintained relational database hosted on PostgreSQL, accessed by Java programs.
- Worked on both JBoss application servers to implement the web application.
- Used JBoss Developer Studio for development and JBoss Enterprise Application Server for deployment.
- Implemented a continuous delivery pipeline with Docker for custom application images in the cloud using Jenkins.
- Worked in configuring CI/CD tool Jenkins for project builds and automation of deployments.

Environment: Java, Java Multi-threading HTML, MySQL, CSS, JSP, Spring boot, Web services, Micro Services, Maven, Oracle9i, Web Sphere, JavaScript, Junit, JBoss, CI/CD pipeline, Jenkins, Docker, ReactJS, NodeJS, MySql, PostgreSQL, JSTL, AJAZ, HTML, CSS3, JavaScript, Bootstrap, jQuery, JSP, Struct Library