# Name: Geeta Laxmi

# Role: Full Stack Developer

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# Professional Summary:

* Full Stack Developer with **6 years** of experience in **Analysis**, **Design**, **Development**, Implementation and Maintenance of applications using **Java/J2EE** Technologies like **JSPs**, **Hibernate**, **spring** and **JPA.**
* SDLC: Software development experience in object-oriented programming, design and development of multi-Tier distributed Enterprise applications.
* Experienced with hands-on development in various **spring** components like **Spring MVC, AOP, Spring IOC, Spring JDBC, Spring-Data, Spring JPA, Spring Securities and Spring Batch, Spring Boot and Spring Micro-services.**
* Extensive experience using **JSF, JSP, JDBC, JMS, JSTL and JNDI.**

# Solid background in Core Java concepts like Exception handling, Multi-threading, Synchronization, Serialization, IO, Collections framework, Java Beans, Executor Services, and Thread pools.

* Expert in frontend technologies such as **HTML5, CSS, JavaScript, jQuery, Angular.JS, AJAX, JSTL and JSON.**
* Expertise in **IDEs** for software development like **NetBeans, STS and Eclipse.**
* Expertise in various version control tools such as SVN, CVS, Git, and Clear Case.
* Migration of existing Infrastructure and configures and Managing Azure Site.
* Understand the core **AWS services**, uses, and basic architecture best practices.
* Proficient in **OOAD** Technologies developing Use Cases, Activity diagrams, Sequence Diagrams and Class diagrams using case tools like Microsoft Visio and Rational Rose.
* Strong knowledge on Hibernate. Used **Hibernate Connection Pooling, HQL**, **Collections, Hibernate Caching, Hibernate Transactions**, **Optimistic Locking.**
* Experience in working with various Application Servers like **IBM Web Sphere, Web Logic, JBoss** and **Apache Tomcat** Servers.
* Built and maintained user-friendly and highly performant web applications using React, TypeScript, GraphQL, and relevant frameworks/libraries.
* Used Node.js, and Backbone.JS MVC framework for developing the Single Page Application (SPA). Backend development was done using Node.js, Koa, Cassandra, and Redis.
* Developed and maintained back-end components using Node.js and MongoDB, integrating them seamlessly with the front-end to provide comprehensive functionality.
* Collaborated closely with back-end engineers to design and implement APIs, ensuring efficient data flow and smooth integration between front-end and back-end systems.
* Created and managed GraphQL schemas and resolvers to handle business logic and keep data accurate across different systems.
* Demonstrated versatility by taking on back-end tasks when needed, showcasing a desire to deliver value and contribute to the overall success of the product.
* Hands-on experience on AWS services EC2, IAM, S3, Lambda, Ec2, Redshift, DynamoDB, SNS, SQS, SES, EMR, Elastic Beanstalk, VPC, ELB, RDS, EBS, Route 53.
* Good understanding of Pivotal cloud foundry (PCF) Architecture (Diego Architecture), PCF components and their functionalities.
* Developed certain features of the application functionality i.e., CRUD (Create, read, update, delete) features using Express JS, Node JS and Firebase
* Experience in web services technologies like **REST, SOAP, WSDL, JMS** and Service Oriented Architecture (SOA).
* Experience in Database Design, Creation, and management of Schemas, writing Stored Procedures, functions, Triggers, DDL, DML SQL queries. Experience in writing **SQL and PL/SQL** programming.
* Expert in Various **Agile** methodologies like SCRUM, Test Driven Development, Incremental & Iteration methodology and Pair Programming as well as implementing Waterfall model. To track the progress of **Agile** process used **JIRA.**
* Used **Zipkin server, Grafana and Prometheus** for monitoring the **microservices.**
* Experience in **Apache Kafka, ActiveMQ** and **RabbitMQ** for interservice communication across multiple services.
* Used **log4j, slf4j** along with **ELK** stack for log aggregation and log analysis and for log dashboard.
* Involved in **Test-Driven Development (TDD)** and **Behavior Driven Development (BDD)** approach**.**
* Expertise in **CI/CD** tools like **Docker, Jenkins, Kubernetes** for container creation and managing.
* Experience in using **AWS SDK** for connection to Amazon S3 buckets as it is used as the object storage service to store and retrieve the media files related to the application
* Good familiarity with **AWS Lambda** event-driven, serverless computing platform to manage the servers and run the code in the **AWS**.
* Extensive experience in Amazon Web Services **(AWS)** cloud computing service it includes Amazon EC2, Amazon Simple DB, Amazon RDS, Amazon Elastic Load Balancing, Amazon SQS, AWS Identity and Access Management (IAM), AWS CloudWatch, Amazon EBS and Amazon Cloud Front.
* Goal-driven, self-organized developer with comprehensive understanding of various **SDLC methodologies** such as **Waterfall** and **Agile.**
* Collaborated with cross-functional teams to gather requirements, design solutions, and implement new features.
* Played a key role in product development, ensuring a seamless user experience and driving customer satisfaction.
* Optimized application performance and responsiveness, resulting in improved loading times and user engagement.
* Conducted code reviews, provided constructive feedback, and mentored junior developers to promote growth and maintain coding standards.
* Prioritized tasks based on user impact and business value, focusing on delivering meaningful features and enhancements.
* Highly communicative with other key participants including client, detail oriented, excellent interpersonal, written, verbal communication and collaborative skills and strong analytical, problem solving and decision-making skills.

**TECHNICAL SKILLS:**

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| **Web Technologies** | Core Java, J2EE (JSP, Servlets), HTML, HTML5, CSS, Hibernate, MDBs, Session Beans, JavaScript, AJAX, DOJO, ExtJs, Java Mail, SAX, DOM, XML, DTD, SCHEMA, Angular JS, ReactJS,Vue.js,Next.js,Express.js Servlets, JSP, Struts, Spring (IOC and AOP), Agile, Cloud, Oracle, JSF |
| **Programming Languag** | C, C++, Java, UML, HTML, SQL, PL/SQL, Java Enterprise Edition |
| **Web Services** | SOAP, WSDL, REST, JAX-RPC, JAXB, JAX-WS, Apache Axis |
| **Distributed/ Middleware** | JMS (Java Messaging Service via Messaging Service) |
| **Design tools** | Ration Rational Rose, Visio, Figma, Invision |
| **Databases** | MySQL, SQL Server, Mongo DB, Oracle, DB2, Informix. |
| **Software tools** | NetBeans, Eclipse, MyEclipse, RAD, SQL, TOAD, UML, SQL developer, Subversion, Clear case, JUnit, Karma, Jasmine, Mocha |
| **Application/Web Server** | Apache Tomcat, WebLogic, Jboss7, Websphere8 |
| **Operating Systems** | UNIX, Linux, Windows, macOS |
| **Protocols** | HTTP, HTTPS (HTTP+SSL), TCP/IP, FTP, TELNET |
| **Design Patterns and Oth tools** | MVC, ANT, Front Controller, Service Locator, Business Delegate, Transfer Object, Factory Pattern, Singleton, DAO Pattern |

**Professional Experience:**

# Aylo - Canada July 2023– Present

**Role: Senior Full Stack Developer**

# Responsibilities

* Involved in requirement gathering, Analysis, Design, Development, documentation, UAT and Production phases of the application.
* Developed and maintained scalable and performant web applications using ReactJS and TypeScript.
* Wrote comprehensive automated tests using Jest, Karma, and Cypress, ensuring high code coverage and software reliability.
* Collaborated with cross-functional teams to gather requirements, design solutions, and implement new features.
* Utilized Git for version control, enabling seamless collaboration and efficient code management.
* Demonstrated expertise in core web and browser concepts, optimizing web page construction and performance.
* Employed semantic HTML, CSS, and nodeScript best practices to deliver accessible and user-friendly interfaces.
* Actively participated in agile, iterative development practices, contributing to sprint planning, daily stand-ups, and retrospectives.
* Communicated complex technical and architectural problems concisely, proposing effective solutions and driving consensus within the team.
* Diagnosed and resolved performance and optimization issues, enhancing application speed and efficiency.
* Collaborated across teams and organizations, ensuring alignment and successful project delivery.
* Used **Java 8 features** like lambda expressions and **Java Stream API**.
* Utilized front-end frameworks such as React, Angular, or Vue.js to build dynamic, single-page applications, improving user experience and application performance.
* Implemented the **REST API** and data transformers using JAVA.
* Created and maintained RESTful APIs with Python, facilitating seamless data exchange between front-end and back-end systems.
* Developed and maintained RESTful APIs using Node.js for efficient data handling and integration.
* Developed scalable web applications using ReactJS for the frontend and Node.js for backend services, with PostgreSQL for data management in fintech projects.
* Applied security measures to GraphQL APIs, including authentication and authorization, to protect sensitive information and meet industry standards.
* Designed and implemented infrastructure as code (IaC) using Terraform, automating the provisioning of cloud resources for seamless deployments.
* Managed multiple cloud environments (development, staging, production) with Terraform, ensuring consistency and reliability across all stages.
* Utilized GitHub for version control and collaborative development, ensuring smooth integration and deployment of full-stack applications.
* Developed dynamic web applications using PHP, ensuring high functionality and user experience.
* Used Terraform to automate the provisioning of cloud infrastructure for full-stack applications, enhancing deployment speed and consistency.
* Leveraged Python scripts for data processing and automation tasks, improving workflow efficiency and reducing manual effort by 40%.
* Used **Spring Framework** for developing and implementing the web-based application following the **MVC.**
* Designed and developed Micro Services business components and **RESTful** service endpoints using **spring boot**. Used **Spring MVC** Framework to develop portal applications.
* Used **Spring Boot** for developing **microservices** and used **REST** to retrieve data from the client-side using Microservice architecture.
* Created various **spring boot** and spring batch applications to connect them to various databases and create queries to retrieve data and modify the tables for the databases.
* Designed and developed front view components using **Angular, HTML5 and CSS3.** Developed Interactive web pages using **AJAX and JavaScript.**
* Designed and developed horizontally scalable APIs using Python Flask.
* Created and ran automated tests for **GraphQL** APIs using tools like Jest and **GraphQL** Testing Library to ensure they worked reliably.
* Built **Angular** components, **UI** services to consume the rest services using Component based architecture provided by Angular.
* Developed **Single Page Application (SPA)** and dynamic responsive Web Application with **Angular** using Angular UI router.
* Involved in client-side validations, slide show, hide and show controls, dropdown menus, and tab navigation using **Angular** and jQuery.
* Implemented Java EE components using Spring MVC, Spring IOC, Spring transactions and Spring security modules.
* Implemented the authentication and authorization of the application using Spring Security and OAuth2.
* Worked with Node.JS, react and TypeScript framework including authoring complex directives, services, controllers, and filters.
* Worked on different **AWS** components like **S3, EC2, CloudWatch and CloudFormation**. Implemented **AWS** solutions using **EC2, S3, DynamoDB, EBS, Elastic Load Balancer, Auto scaling groups.**
* Worked on **Microservices** for Continuous Delivery environment using **Docker and Jenkins.**
* Designed and developed Web Services **(SOAP, WSDL).** Created and compiled **XML** Schema to generate **Java Bean** classes using **Apache.**
* Developed **Java classes** for implementing Business logics using **EJB (Stateless session, entity, message driven beans).**
* Experienced in using Pivotal Cloud Foundry (PCF) CLI for deploying applications and other CF management activities
* **Log4J** is used for logging purposes and debug levels are defined for controlling what we log.
* Designed and Developed Stored Procedures, Triggers in Oracle to cater the needs for the entire application. Developed complex **SQL queries** for extracting data from the database.
* Composed and executed MongoDB scripts to insert and update NoSQL database and reporting.
* Worked on Spring Batch to read data from UI map the data and persist to database.
* Implemented the project under **Agile** Project Management Environment and followed SCRUM iterative incremental model & configured various sprints to execute.
* Actively participated and provided feedback constructively and insightfully during weekly Iterative review meetings to track the progress for each iterative cycle and figure out the issues.

**Environment:** Java 8, Spring, Spring Boot, Hibernate, Tomcat, HTML5, CSS3, JavaScript, Angular6, Angular.JS, AWS, Docker, Jenkins, JSP, JSF, Eclipse, jQuery, AJAX, SOAP, WSDL, XML, Java Beans, Apache, EJB, Maven, JBOSS, Log4J, MongoDB, SQL, Agile and Windows.

# Tata Consultancy Services – Hyderabad, India April 2022 – May 2023

# Role: Full Stack Developer

**Responsibilities:**

* Involved in (SDLC) Requirement Analysis, Design and Develop and Implement the application using J2EE technology.
* Developed application using **spring, Spring Batch, Angular7** on the presentation layer, the business layer is built using

# spring.

* Developed **UI** navigation using **Angular7.**
* Integrated Terraform into CI/CD workflows, improving deployment efficiency and reducing manual configuration errors.
* Developed and maintained ReactJS applications, implementing responsive designs and interactive features.
* Implemented automated tests using Jest, ensuring code quality and preventing regressions.
* Collaborated with UI/UX designers to create visually appealing and intuitive user interfaces.
* Utilized Git for version control and collaborated with the development team to manage codebase efficiently.
* Demonstrated strong understanding of core web and browser concepts, optimizing web page loading and rendering.
* Ensured adherence to best practices for semantic HTML, CSS styling, and JavaScript development.
* Actively participated in agile development methodologies, contributing to sprint planning and retrospectives.
* Effectively communicated technical concepts and proposed solutions to both technical and non-technical stakeholders.
* Collaborated with backend developers to integrate front-end components with RESTful APIs.
* Developing the application implementing **Spring Framework (MVC Architecture with Hibernate as ORM framework)** and **Spring Boot** Integration.
* Implemented **Micro-services** using **AWS** platform build upon **Spring Boot** Services.
* Used **Spring Boot** to create stand-alone spring applications.
* Created robust backend services with Node.js to support high-traffic applications and improve performance.
* Designed and implemented cross-platform mobile applications using React Native, enhancing user engagement in fintech solutions.
* Utilized Terraform to analyze and optimize cloud resource usage, resulting in a 20% reduction in operational costs while maintaining performance.
* Integrated Terraform configurations with Git version control, enabling collaborative infrastructure management and facilitating team workflows.
* Actively contributed to open-source projects on GitHub, demonstrating skills in coding, code review, and collaborative problem-solving.
* Automated deployment processes using Python scripts in CI/CD pipelines, ensuring smooth integration and delivery of applications.
* Built and integrated RESTful APIs to connect PHP backends with various frontend technologies.
* Developed **DAO** objects and implemented data access layer using **JPA-Hibernate** to perform **CRUD** operations
* Created and maintained mapping files, persisting classes and transaction control in **Hibernate** to access the database.
* Used Struts 2.0 to build web application and Spring to develop lightweight business component. Used Spring Integration with Struts by implementing Delegating Struts Action management to Spring Framework.
* Employed techniques such as lazy loading, code splitting, and minification to optimize front-end performance, resulting in faster page load times and improved overall application speed.
* Developed the **UI** Screens using **Angular7, JavaScript** and **HTML5** and did the client-side validation with the

# JavaScript.

* Used **Bootstrap** and **Angular** to create Controllers to handle events triggered by clients and send request to server.
* Used **Angular** for configuring security authentication in session management.
* Implemented **Angular** component router for navigation and services to connect the web application to the **back-end API.**
* Maintained portal website using JSP JUnit IBM WebSphere Application Server IBM Rational Application Developer and DB2.
* Wrote SQL queries and stored procedures for MS SQL Server 12
* Developed Single page applications and Custom Directives using **Angular.**
* Designed and developed very complex and large web pages using **Angular** library with **AJAX and JSON.**
* Implemented **Angular7** component router for navigation. Worked with **Angular7** directives, components, pipes, injectables.
* Deployed application modules using **Jenkins.**
* Used **JMS** for the asynchronous exchange of critical business data and events among **J2EE** components and legacy system.
* Worked on **AWS Cloud Front**, S3, and Lambda Web Services to integrate the server-side and client-side code.
* Compiled and built the application using **Maven** scripts and deployed the application.
* Involved in coding, maintaining, and administering **EJBs, and JSP** components to be deployed on a Web-Logic application server.
* Used **log4j** to log all application error messages along with debugging purposes.
* Involved in Unit testing of application using **JUnit** and built the package using **Maven** and deployed the application on to **Web-Logic App Server.** Knowledge on the Azure Storage accounts.
* Knowledge on the Monitoring tools like Application insights, Log analytics and creation of alerts.
* Designed and implemented XML parsing for the XML's that are sent and received from the **SOAP** web services.
* Involved in creating, modifying **SQL queries,** prepared statements, and stored procedures used by the application.
* Implemented **MongoDB** as data storage and utilized aspects like replica sets, Shading, and clever document design to make service extensible scale and feature-wise.
* Optimized SQL queries in MySQL and extensively wrote SQL DDL and DML statements
* Followed **AGILE** (SCRUM) methodologies, had sprint planning every two weeks, and setup daily meetings to monitor the status.
* Deployment and management through AWS cloud formation on EC2 (Elastic compute cloud) instances
* and maintaining Amazon S3 storage.
* Participated in the status meetings and status updates to the management team.

**Environment**: Java 8.0, Spring 4, Hibernate 4.2, Spring batch, Spring Boot, Spring Security, JPA, JMS, HTML5, CSS3, Angular 8, Cryptography, Eclipse, Oracle 10g, Swagger UI, Azure, Docker, Log4j, JIRA, Pure XML, Web Services, Kafka, Microservices, REST UI, Apache Spark.

# Accenture, Hyderabad, India Aug 2018 – April 2022

**Role: Jr. Full Stack Developer Responsibilities:**

* Interacted with the business analysts to gather the requirements and understanding the functional design specifications for the requirements.
* Used **Spring Framework** for front end development and **spring validator framework** for front end data validation.
* Used **Spring Framework** for Dependency Injection and integrated it with the **Hibernate.**
* Developed the Web Interface using **spring, HTML5, CSS3 and Angular4.**
* Developed and maintained ReactJS applications, implementing complex user interfaces and data visualization components.
* Implemented comprehensive test suites using Jest, Karma and Jasmine and Cypress, ensuring code reliability and functionality.
* Demonstrated expertise in core web and browser concepts, optimizing performance and rendering efficiency.
* Implemented semantic HTML, CSS, and JavaScript concepts to enhance accessibility and user experience.
* Facilitated effective communication and collaboration across teams, resolving technical and architectural challenges.
* Analyzed and optimized application performance, reducing load times and enhancing user satisfaction.
* Integrated RESTful APIs and **GraphQL** endpoints into front-end applications, facilitating smooth data retrieval and interaction with back-end services.
* Contributed to open-source projects, submitting bug fixes and feature enhancements to the community.
* Architected scalable infrastructure using Terraform, supporting high-availability and performance requirements for web applications.
* Created reusable Terraform modules for common infrastructure components, streamlining the deployment process and improving maintainability.
* Involved in multi-tiered J2EE design utilizing Spring Inversion of Control (IOC) and Hibernate.
* Built high-performance microservices with Go, improving scalability and reliability for financial applications.
* Build the application based on new features of Java jdk 1.8 at service layer level. Designed MVC architecture and Front control design pattern using Spring MVC Framework for Presentation tier and I have written code for the using Spring MVC Framework for Presentation layer and spring dependency injection.
* Used spring framework for Dependency Injection and integrated with Hibernate. Primarily focused on the spring components such as Dispatcher servlets, Controller s, Model and View Objects, View Resolver.
* Implemented GitHub Actions to automate CI/CD pipelines, improving development efficiency and deployment consistency for full-stack projects.
* Optimized PHP code for performance and security, enhancing application efficiency and data protection.
* Developed **Cloud Compatible Micro Services** using **Spring Boot**, java, and related web technologies.
* Enhanced application performance through Node.js’s asynchronous and event-driven features, ensuring fast and reliable operations.
* Used **Spring Boot** which is radically faster in building cloud **Micro Services** and develop spring-based application with very less configuration.
* Responsible for creating Batch processes using different modules of **Spring Boot** like **Spring Boot Batch, Spring data etc.**
* Used **Hibernate** framework for back-end development and **spring** dependency injection for middle layer development.
* Built web portion using the JSF framework with dynamic JSP pages in Linux environment
* Worked with **Angular** routers, forms, modules, **DOM**, expressions, controllers, filters, and **Http** Request.
* Implemented and tested the enterprise application with **Angular** and **Spring MVC**.
* Used **Java Messaging Service (JMS) API**’s for mailing detailed notifications depending upon the success and failure once the backend process is complete and also for mailing administrator of any system related problems.
* Used the **J2EE design patterns** like Value Object Pattern, Business Delegate, Service Locator and Session Façade, Singleton, Factory and DAO.
* Developed web services **SOAP, WSDL** and web services clients using **JAXB and XML,** implemented **SOA** architecture.
* Created Data Source and deployed web application in the Tomcat application Server.
* Developed **EJB MDB’s** and message Queue’s using **JMS** technology.
* Used **Log4j** for External Configuration Files and debugging.
* Wrote test cases in **JUnit** for unit testing of classes.
* Actively participated in **daily SCRUM meetings** to produce quality deliverables within time.
* Monitored team members to follow standards, guidelines and use new tools.

**Environment:** J2EE, Spring, Spring Boot, Hibernate, Angular.JS, DOM, SOAP, WSDL, JAX-B, XML, IBM Web-Sphere, EJB, Log4j, JUnit, SQL, Agile and Windows.

# Education Details:

**Bachelor’s: Computer Science, JNTUH, Telangana, India.**