

**Pallavi Yellisetty**  
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**Java Full Stack Developer**

**SUMMARY:**

- An innovative and competent Software Developer with 4+ years of experience in web application design, development of software product, Object Oriented Analysis, Implementation, Testing and deploying N-Tier/Client-Server Applications with Object Oriented technologies using Java/J2EE.
- Well-versed in all stages of the software development life cycle (SDLC), and very skilled in collecting user needs and transforming them into software requirement specifications through the use of UML, Design Patterns, and Object-Oriented Methodologies (OOP).
  - Working knowledge of waterfall and Agile/Scrum development approaches.
  - Proficiency in Core Java with a solid grasp and practical experience of object-oriented concepts, including polymorphism, collections, multithreading, data structures, algorithms, and exception handling.
  - Skilled in deploying applications to AWS, leveraging EC2 instances, and managing data storage using AWS S3 with snapshot creation for backups.
  - Adept at creating and managing UNIX/Linux shell scripts for automated, data-driven processes.
  - Strong abilities in debugging and troubleshooting complex issues.
- Broad knowledge of Spring (IOC, MVC, AOP, DAO), Core Java, J2EE (EJB Servlets, JSP, JDBC), Spring security, Hibernate, and Java Web Framework, as well as Web Service/Database related technologies.
- Proficiency in creating JUnit test cases, logging facilities using Log4j, and Maven build scripts.
- Practical knowledge of relational databases, such as Oracle 11g, MySQL, and MS SQL Server with SQL and PL/SQL
- Proficient in writing and using **SOAP and Restful Web services**.
- Having experience with Cloud Computing environments like **Amazon Web Services (AWS), and Docker Containers**.
- Used **Kubernetes** to orchestrate the deployments, scaling, and management of Docker containers.
- Used **Git** for the version control.
- Experience in developing applications using different IDEs like **Eclipse and IntelliJ**.
- Handled operations and maintenance support for AWS cloud resources which includes launching, maintaining, and troubleshooting EC2 instances, S3buckets, Auto Scaling, Dynamo DB, AWS IAM, Elastic Load Balancers (ELB) and Relational Database Services (RDS).
- Hands-on knowledge of JavaScript MVC frameworks such as ReactJS, and NodeJS.
- Front-end GUI wire-framing/prototyping skills using scripting languages like **JSP, HTML5, XHTML, jQuery, JavaScript, AJAX, and Cascading Style Sheets (CSS)**.

**EDUCATION:**

- **Master of Science, Computer Science, University of Texas at Arlington, USA(August 2023-May 2025)**
- **Bachelor's degree from Jawaharlal Nehru Technological University Hyderabad, India(July 2018-Aug 2022)**

## **TECHNICAL SKILLS:**

Languages	Java, C, C++, shell scripting, SQL , HTML, JavaScript, and XML .
JAVA/J2EE Technologies/Frameworks	Spring (Spring MVC/Spring Boot),JSF,Hibernate, JPA (Java Persistence API),JUnit,TestNG,Mockito,Spring Security, Apache Shiro, Apache Wicket,GWT(Google Web Toolkit) , Quarkus
Application/Web Servers	Apache Tomcat , Jetty , Apache HTTP Server(httpd) , Node.js ,H2O
Databases/storages	MySQL,PostgreSQL,Oracle Database, SQLite,MongoDB, Amazon S3
Web Technologies	HTML,CSS,JavaScript,React,Angular, Bootstrap,REST ,GitHub
Design Tools and IDE's	VS Code , IntelliJ IDEA, Eclipse, NetBeans , Figma
Operating Systems	UNIX (Solaris, HP-UX), macOS, RedHat Linux, Windows XP, MS-DOS.
Cloud Technologies	Amazon EC2, EBS, RDS and S3, Jenkins
Version Control	Git, Gitlab , GitHub,Bitbucket,CVS, SVN

## **EXPERIENCE:**

**Client: Virtusa**

**Sep 2022 - Aug 2023**

**Role: Java/J2EE Developer**

## **Responsibilities:**

- Used JPA in persistence layer and developed **POJO's, Data Access Object (DAO)** to handle DB operations.
- Communicated with the Leads and BA's for better understanding of the design requirements.
- Followed everyday project specific Redmine tool for change requirements, issue tracking.
- Designed and developed various modules and services application with **J2EE** design architecture with **EJB 3.1, JPA 2.1, Servlets and JSP concepts**.
- Extensively used **Jenkins** and configured project for continues build & deployment to **JBoss EAP Server**.
- Extensively used **CDI** interceptors for method and class level logging.
- Used **EJB** Session beans and entity beans to develop business services and the persistence.
- Done **DB unit test** cases for DAO layer.
- Implemented **RESTful web services** to consume XML & JSON Messages.
- Used **WSDL, SOAP, and JAX-WS** technologies to create web services, generate stubs and consuming the existing services.
- Configured Data Source for application in **Jboss EAP 6.1** Application Server.
- Written manual test cases and executed for application level.
- Created form using **JSP, JSTL and HTML**.
- Developed server-side services using **EJB, JPA**.
- Used **SVN** for source code version control.
- Involved in bug fixing for dev and production issues.

**Environment:** Java, J2EE- JSP, Servlets, EJB 3.1, JPA 2.1, Junit, Maven, Java Script, SVN, Jenkins, SOAP, JBoss EAP 6.1, and PostgreSQL 9.4.1.

**Client:** Altimetrik  
**Project:** DEXA (Digital Employee Experience application)  
**Role:** Full Stack Java developer

(Aug 2019-July 2022)

**Description:** DEXA is a mobile and web application for employees in which employees can access their pay slips, can view holiday calendar, request for leaves, fill time sheets for clock in and clock out and gets updates regarding the events happening in the organization.

### Responsibilities:

- Involved in **Agile** - Sprint methodologies which includes requirements gathering, analysis and planning, developing, Testing, and Integration of the application.
- Build the work needed to implement features from the product backlog using **Spring boot** and **Microservices** Architecture.
- Developed and refactored **Restful API's** for inserting and accessing data for MongoDB and MySQL.
- Developed Unit test cases with **Junit** and **Mockito**.
- Used GIT for version control and IntelliJ as IDE.
- Used various Core JAVA concepts such as **Multi-Threading**, **Exception Handling**, and Collection APIs to implement various features and enhancements.
- Used SNS (Simple Notification Service) and SQS (Simple Queue Service) for getting notifications
- Developed frontend using React native for cross-platforming
- Used AWS s3 bucket for storing and retrieving images for profile pictures
- Used success party which is a third party for leave approval decision.

**Environment:** JAVA, Spring boot, RESTful, MongoDB, MySQL, Git, SNS, SQS, React Native

**Client:** Target, Mn  
**Project:** Online Bookstore Application  
**Role:** Full Stack Java developer

(Jan 2019 – Jun 2019)

### **Project Description:**

Developed an online bookstore application where users can browse books, add them to a shopping cart, and place orders. The application consists of a user interface (frontend) and a backend server for managing data, user authentication, and transactions.

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### **Roles and Responsibilities:**

#### **1. Frontend Development:**

- **Technology:** HTML, CSS, JavaScript, React.js (or Angular)
- **Responsibilities:**

- Designed responsive web pages for displaying book listings, shopping cart, and order details.
- Integrated dynamic book search functionality using JavaScript and React.
- Implemented user authentication (login and registration) using React forms and validations.
- Created a checkout page with real-time order summary and cart adjustments.
- Ensured a mobile-friendly interface using CSS Flexbox and Grid for layout management.

## 2. Backend Development:

- **Technology:** Java, Spring Boot, REST APIs
- **Responsibilities:**
  - Developed RESTful APIs for managing books, users, and orders using Spring Boot.
  - Implemented user authentication and authorization using Spring Security and JWT tokens.
  - Developed APIs for cart management (adding/removing books) and order processing.
  - Handled backend data validation and error handling for secure and smooth transactions.

## 3. Database Management:

- **Technology:** MySQL or PostgreSQL
- **Responsibilities:**
  - Designed and managed the relational database to store book details, user information, and order history.
  - Implemented CRUD (Create, Read, Update, Delete) operations for books, users, and orders.
  - Wrote SQL queries and stored procedures for efficient data retrieval and management.

## 4. Integration and Deployment:

- **Technology:** Git, Maven, Docker (optional)
- **Responsibilities:**
  - Used Git for version control, maintaining the codebase and managing project branches.
  - Configured Maven for build automation and managing project dependencies.
  - Deployed the application on a local server using Spring Boot's embedded Tomcat.
  - (Optional) Used Docker to containerize the application for easy deployment on various environments.

## 5. Testing:

- **Technology:** JUnit, Postman
- **Responsibilities:**
  - Wrote unit tests for backend services using JUnit to ensure code quality.
  - Performed API testing using Postman to verify the correctness of REST APIs.
  - Conducted manual and automated testing for frontend UI components to ensure functionality and user experience.

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## Key Skills Demonstrated:

- Full-stack development using Java, Spring Boot, React.js
- REST API development and integration
- Database management using SQL
- User authentication and authorization with Spring Security
- Version control with Git