**Hemanth K**

**9728538231**krishna@adven-it.com**Java Front -End Developer**

**PROFESSIONAL SUMMARY:**

* **10 Years** of experience in Object-Oriented Analysis & Design, Development with strong **Java** programming background developing Web based application using **Agile** methodologies practices.
* Experienced in working with methodologies like **Agile**, Scrum, Iterative and Waterfall approaches.
* Experience in developing user interfaces with **Angular10/6/4, HTML5, CSS3/4, JSTL**.
* Experienced in highly skilled Java developer with extensive experience in developing web applications using **Grails framework.**
* Experience in working with **Angular 10**modules, services, templates, controllers, events, directives, services and dependency injection to create a **Single Page Applications**. Hands-on **Angular CLI**
* Expertise in **J2EE** architecture using **Java**, **JDBC**, **JavaBeans**, **EJB**, **JSP**, **JMS**, **Struts**, **ANT**, **Log4J/LogJ2, UML, XML, CSS3/4, HTML5,** and **JavaScript**.
* Proficient in UL design, developed Front End using **JSP, HTML5, CSS3, JavaScript, Ajax, jQuery, AngularJS, Angular8.0, Nodejs, Reactjs** and have knowledge on **BackboneJs**
* Expertise in **Spring** framework extensively used **Spring DI, Spring Batch, Spring AOP, Spring JDBC** templates, multi-threading and in working with **SOAP & Restful Web Services.**
* Expertise in working with **RESTful** web services particularly in developing **REST API’s** to processing data from databases to REST services and hitting **REST** end points into the applications.
* Expertise in various components in **Spring**, which includes **Spring IOC, AOP, Spring JDBC, Spring MVC, Spring JPA, Spring Batch, Spring Security** and **Spring Boot.**
* Experienced in developing applications/streams in **Microservices** architecture using **Spring Boot.**
* Experienced in Analysis, Design, Development, Integration, deployment, testing, debugging, and maintenance/support of the applications using Spring Boot, **Jenkins**, **Docker**, **JUnit/Mockito**.
* Expertise in applications build, release, engineering including **CI/CD** Automation using **Jenkins**.
* Experience in implementing Kafka producer and consumer applications **Apache Kafka** using **Zookeeper** clusters, partitions, offsets for the real time data streaming and integration.
* Developed **Hibernate ORM** mappings, Annotations and established data integrity **Oracle DB** tables.
* Expertise in server-side development with **JDBC**, **JMS**, **MVC architecture**, **JavaBeans**, **XML**.
* Proficient in **XML** technologies like XSL, XSLT, SAX, DOM, WSDL, DTD, XSD, SOA, JAXB.
* Extensive experience using **Maven** to build the projects.
* Designed and developed high performance applications and maintained them on a regular timely basis.
* Expertise in back-end procedure development, database modeling for Database Applications using **Oracle 11g/12c, MySQL, SQL** and **PL/SQL, NoSQL**.
* Comprehensive knowledge of physical and logical data **SQL**, performance tuning and monitoring.
* Implemented **AWS** solutions using **EC2, S3, RDS, EBS, Elastic Load Balancer, Auto-scaling** groups and used **AWSSDK** to connect with **Amazon SQS** for bulk email processing.
* Experience in applying **JMS** (Java Messaging Service) for reliable information exchange across Java applications using **Apache Kafka, RabbitMQ, ActiveMQ** and **IBM MQ.**
* Created a responsive web offer wall so that it could be integrated with any iOS/Android app via a web view, project was created with Google Polymer and PHP.
* Experience in developing GUIs using **Struts, Spring MVC, Spring Web** Flow frameworks.
* Experience of design and develop Microservices, transform Monolithic architectures into Microservices using open-source framework like **Spring Boot, Pivotal Cloud Foundry**.
* Hands on experience with **SQL** stored procedures, Triggers and Views.
* Hands on experience with IDE tools like Eclipse, IntelliJ, Visual Studio and NetBeans
* Good experience in using Version Controlling tools (CVS, Subversion, ClearCase, **Jenkins**) and defect tracking tools like Clear Quest, Quality Center.
* Strong experience with **MongoDB** development (reports, schema design, map reduce functions) and migrations from **SQL** relational databases to **NoSQL** databases like **MongoDB**, **Cassandra**
* Experienced in working with **Adobe Flex** for the development and deployment of cross-platform applications based on the Adobe Flash platform.
* Expertise working with **Kubernetes** to automate deployment, scaling and management of Containerization and clusters.
* **Information Systems (IS)** development in Java refers to the process of creating, building, and maintaining software applications and systems that are part of an organization's information technology infrastructure, using the Java programming language.
* Experience in creating **Docker** Containers leveraging existing **Linux** Containers and AMI's in addition to creating Docker Containers from scratch.
* Hands on experience in deploying web and J2EE enterprise applications on **WebLogic**, **WebSphere**, **Tomcat**, **Enterprise Service Bus** (ESB) and **JBoss** server.
* Worked in **TDD** and version management tools **GitHub**, **SVN**.

**TECHNICAL SKILLS:**

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| **Programming Languages** | J2EE, Java 8, J2EE, PL/SQL2.3/2.1 |
| **J2SE** | Multithreading, Serialization, Collections, Exception Handling |
| **J2EE** | JDBC, JSP, Servlets, JMS |
| **Framework** | Struts 1.x/2.x, Spring Core, Spring MVC, Spring Security, Spring Boot2.71, Spring Batch, Spring ORM, Grails |
| **ORM Tools** | Hibernate |
| **Web/Application Servers** | Apache Tomcat, Embedded Jetty |
| **Web Technologies / Web Services** | XML, HTML, CSS3/4, JSON, SOAP, WSDL, JAX-WS and REST, JAX-RS, Angular10, NodeJS |
| **IDEs** | Eclipse and IntelliJ 17 |
| **Design Skills** | Object oriented Analysis and Design(OOAD), UML (Rational Rose tool) |
| **Database and Tools** | SQL, Oracle12c/11g, MongoDB, No SQL |
| **Monitoring Tools APM** | Grafana and New Relic NRQL |
| **Unit Testing** | JUNIT, Mockito3.5.5 |
| **AWS** | EC2, RDS, S3, ELB, EBS |
| **Performance Testing** | JMeter 5 and PAX |
| **Version Control** | Git, SVN |
| **Build & deployed CI/CD Tools** | Maven3.0, Jenkins, Docker and Kubernetes |
| **Methodologies** | Scrum Agile and Scrum Ban |

**PROFESSIONAL EXPERIENCE:**

**Client: Toyota, Plano, TX Mar 2022 – Till Date Role: Sr Java Full Stack Developer**

**Project Description:** The project involved the development of a comprehensive Information Systems (IS) solution using Java as the primary programming language. The objective was to create, build, and maintain software applications and systems that formed a critical part of the organization's information technology infrastructure.

**Responsibilities:**

* Involved in the analysis, design, and development phases of the Software Development Life Cycle (**SDLC**) using **Agile** development methodology to deliver regular updates to business team.
* Actively contributed and participated in design and architecture discussions, daily stand-ups, and Agile Sprint planning sessions. Demonstrated experience in Agile development, application design, software development.
* Adept at working with Java networking libraries, contributing to OSS projects, and collaborating in a team environment to deliver robust software solutions.
* Utilized Wireshark and Tcpdump for network traffic analysis and troubleshooting, significantly reducing downtime.
* Contributed to open source networking projects, enhancing core functionalities, and fixing critical bugs.
* Designed and developed high performance applications and maintained in regular timely basis.
* Developed web pages in the application on front end using **HTML5, CSS4, Angular 10.**
* Developed dynamic and multi-browser compatible **SPA** pages using **Angular 10** and developed components such as controllers, Services, models and worked with **NgRx.**
* Design, develop and test HTML5CSS3 Bootstrap JavaScript jQuery and ReactJS that meet accessibility and web browser standards for websites.
* Developed and maintained web applications using Grails framework, Java, and Groovy.
* Worked on a large-scale Grails project, collaborating with a cross-functional team to deliver high- quality software.
* Built **Angular 10** components, UI services, modules to consume component-based rest services.
* Used **Angular HTTP Client** to send GET/POST requests to fetch data from server.
* Gained Knowledge on Electrode Platform which is a NodeJS/Web platform built on top of the **ReactJS** and **HapiJS** frameworks.
* Proficiency in performance monitoring and profiling tools and utilizing tools such as VisualVM, YourKit.
* Used advanced **Java 8** features like **Lambda expressions** for array operations, **Streams, Method reference, Stream APIs, Generics, Nashorn Javascript** etc. throughout programming.
* Developed web services using **Spring MVC REST** framework and **JAX-RS** using **Spring Boot**.
* Developed loosely coupled **Microservices** using **Spring Boot** interacting over **RESTAPIs**.
* Designed and developed **REST** based **Microservices** using **Spring Boot** and implemented applications with combination of **REST** and **Apache Kafka** message brokers and Kafka topics.
* Designed the system based on **Spring MVC** Model architecture. Developed a business logic layer using Spring Dependency Injection and client-side Java-beans for **DAO** Design Patterns.
* Mastery of Java concurrency multithreading.
* Worked on backend applications using **Spring Data JPA** to store, retrieve data from databases.
* Worked on monitoring, controlling, health check of applications using **Spring Boot Actuator** at production environment. Worked on its features Endpoints, Metrics and Audit at production ready.
* Expertise in designing highly scalable asynchronous systems.
* Implemented design patterns like **MVC, Singleton, Business Delegate**, and **Service Locator**.
* Developed **Hibernate** with Spring Integration as the data abstraction to interact with the database and used **dependency injection** (DI) using Spring framework and annotations.
* Used Eclipse based **Spring Tool Suite (STS), IntelliJ** for development and debugging applications.
* Deployed Spring Boot based **microservices** into **Docker** container using **Amazon EC2, involved in** Installation, integration and configuration of **Jenkins CI/CD**, including Jenkins plugins.
* Adept at leveraging OpenShift for deploying, managing, and scaling containerized applications, ensuring efficient CI/CD workflows and robust application performance.
* Deployed and managed applications on Red Hat OpenShift, leveraging its enterprise-grade Kubernetes distribution for enhanced operational efficiency and security compliance
* Worked on Shiny and R application showcasing machine learning for improving the forecast of business.
* Developed predictive models using Python and R to predict customer churn and classification of customers.
* Generated graphs and reports using ggplot package in RStudio for analytical models.
* Worked on R packages to interface with Caffe Deep Learning Framwork.
* Formulated procedures for collaboration of R programming plans with data sources and delivery systems.
* Assisted in pricing of securities including inventory detailing and price mapping in programming domains such as R programming.
* Familiar with techniques with improving Shiny server instances, including deployments, configurations and monitoring.
* Developed APIs for using **AWS Lambda** to manage the servers and run the code in the AWS.
* Used **AWS Cloud watch** in alerting, maintaining, and monitoring of production and servers/storage.
* Using **Swagger UI** registered Microservices, monitored service health check from Spring Boot console and deployed applications in **AWS.**
* Responsible for integrating business process flow components using **jBPM** for executing and monitoring business requirements and incorporating rules into the process by integrating external services via **REST APIs.**
* Strong emphasis on RESTful services, focusing within Spring Boot.
* Extensive experience with Spring Boot and Spring framework.
* Efficient processing of large data sets within Java ecosystem.
* Developed, tested Business Rule Engine using **Drools Rules** as per business rules documentation.
* Implemented mock backend, in Angular JS using Typescript for testing purposes.
* Implement new Front-End features with Typescript/ JavaScript and other RESTful APIs.
* Built Kafka producers and consumers, configure them to stream the real-time data from external REST APIs to **Apache Kafka** topics.
* Worked with several testing frameworks such as **Junit** and **Mockito.**
* Experience in implementing scalability and skilled in load testing and performance enhancement tuning of Shiny applications and RStudio Connect for efficient and balanced session management.
* Provided support in the performance testing using **JMeter** task includes developing test plan, test script and reports. Create, schedule and run the scenarios using **JMeter.**
* Experienced with **ELK** Stack by configuring management reports and dashboards using **Kibana**.
* Used **Spring Security** and **OAuth 2.0** authentication protocol respectively for authentication and provisioning secure interactions with **RESTful APIs** and **JSON** objects using **JWT** tokens.
* Experience with building **Docker** Images and running them on **Docker** container.
* Configured and administered **Jenkins** for CI/CD into Tomcat Application Server.
* Used **Kubernetes** to orchestrate the deployment, scaling, management, configuration of **Docker** containers and creating **Pods** at run time. Building and maintaining clusters for docker containers.
* Worked on Deployment Automation and Containerization using **Kubernetes** and **Docker**.
* Experience in managing, deploying, **MongoDB** clusters and worked on **MongoDB** concepts such as schema design, indexes, transactions, replications, locking.
* Extensive experience using Git for version control, including initializing repositories, staging changes, committing code, and managing branches and merges to maintain a clean and organized codebase.
* Proficient in using Git manual commands such as git clone, git pull, git push, and git fetch to synchronize local repositories with remote repositories, ensuring that the team always has the most up-to-date code.
* Skilled in resolving complex merge conflicts using Git manual commands like git merge, git rebase, and git cherry-pick, ensuring smooth integration of code from multiple contributors.
* Experience in utilizing advanced Git commands such as git log, git diff, and git blame to track changes, review commit history, and identify the origins of code alterations, aiding in effective code review and debugging processes.
* Implemented branching strategies using Git manual commands to support feature development, hotfixes, and release management, facilitating parallel development and ensuring stability in the main code branches.
* Experience in performance tuning with Oracle database. Designed and developed file upload and file download features with Oracle BLOB and CLOB.
* Migrated Database from SQL Databases (**Oracle and SQL Server**) to NoSQL (**MongoDB**). Information Systems (IS) development in Java refers to the process of creating, building, and maintaining software applications and systems that are part of an organization's information technology infrastructure, using the Java programming language.

**Environment:** J2EE, HTML5, CSS4, Angular 10, JavaScript, XML, AJAX, jBPM, Spring Boot, Grails,Spring Data JPA, **ReactJS,** Spring Actuator, MVC, TypeScript AWS, Hibernate, Bootstrap, JIRA, Spring Boot, Web services, Micro services, OAuth2.0, JSON, JWT Visual VM, Your Kit, AWS EC2, R Shiny Server, R Studio, ELK stack, Maven, Docker, Kubernetes, Jenkins, JMeter, Tomcat, Gitlab, NoSQL, MongoDB, STS.

**Client: AT&T-Dallas, TX May 2021 – Feb 2022**

**Position: Sr Java Full stack developer**

**Project Descriprtion:** The project aimed to develop a scalable and efficient cloud-based orchestration/automation tool using Java and related technologies. It involved implementing Agile methodology for rapid development cycles and ensuring high-quality code through test-driven development (TDD) and pair programming.

**Responsibilities:**

* + Implemented **Agile** methodology, participated in daily scrum meetings, code reviews, sprint planning and retrospectives as part of **Agile** methodology
	+ Designed and coded application components in an **Agile/TDD** environment utilizing a test-driven development and **SDET** approach and pair Programming.
	+ Developed dynamic Web pages using **Angular 6,** features ng-templates, Form Validators, Routes.
	+ Used multi-way data binding, filters, UI-routers and creating custom directives in **Angular 6**.
	+ Extensively worked on **XML** and **XSL** to transform the **XML** content to html and publish reports.
	+ Utilized **Java 8** features like Lambda expressions, Collectors, and Stream API for data operations
	+ Used **Java8 Functional, Method References** features to point methods by their names.
	+ Used **Microservices** architecture, with **Spring Boot** based services interacting through **REST** and **Apache Kafka** message brokers and leveraging **AWS** to build, test and deploy **Microservices**.
	+ Experience with Spring framework (**Spring Data**, **Spring Data JPA**, **Spring Boot).**
	+ Extensive knowledge on the **Spring Modules** like **Spring Boot**, **Spring MVC**, **Spring Batch**, **Spring Security** (**Authentication** and **Authorization**).
	+ Responsible for developing **Spring** Controllers, Service Components and DAO using **Hibernate**.
	+ Designing and developing **Microservices** architecture applications using **Spring Boot**, MySQL, PostgreSQL, **Restful** Web Services.
	+ Implementation of **ORM** framework **Hibernate** with **Spring Data Access** and **Persistence** using **Spring AOP** and **Spring Actuator** and developed **Microservices** using **Spring Boot, Netflix OSS (Eureka, Ribbon, Hystrix**) and followed domain driven design.
	+ Worked on Angular with TypeScript and other latest client-side technologies including AngularJS, ES6, Gulp, NodeJS, RxJS, Angular CLI, Webpack, Chrome DevTool, Karma and Jasmine.
	+ Developed Angular modules, routers and services using typescript.
	+ Used **JPA**and **Hibernate**with entity beans for interacting persistence layer for **CRUD**operations.
	+ Worked on utilizing appropriate **AWS services** like **AWS Dynamo DB, AWS SQS, AWS Identity and Access Management (IAM)** based on the data, computing and security requirements.
	+ Implemented and provisioning **APIs** using **AWS** API Gateway system and **AWS Lambda.**
	+ Handled operations and maintenance support for **AWS cloud** resources which includes launching, maintaining, and troubleshooting **EC2 instances**, **S3 buckets**, **Auto Scaling**.
	+ Worked with Dynatrace for application performance monitoring, including configuring real-time monitoring, analyzing application health metrics, setting up alerts, and using AI-driven insights to proactively identify and resolve performance bottlenecks.
	+ Experience in deploying applications using Amazon elastic container service using **AWS EKS** and worked on Elastic Search configurations in EKS clusters for logs and indexes.
	+ Used concepts like **multithreading** for loading of different endpoints from Cushman and Wakefield.
	+ Worked on **Apache Kafka** clusters with admin team to setup clusters at Dev and QA environments.
	+ Implemented Kafka producer and consumer on clusters and used **Spring Kafka API** calls.
	+ Experience with **Docker** containerization, building **docker** images and hosting web servers.
	+ Implemented test cases using **Junit** and **Mockito** frameworks for modules, and logging with **Log4J**.
	+ Created and executed **JMeter** scripts for performance testing of portal.
	+ Experience working with **Splunk** dashboards for checking logs, monitoring data flow, health check tasks using **Splunk query language** and creating **Splunk** dashboards for visualization.
	+ Strong experience with **MongoDB** development (reports, schema design, map reduce functions) and migrations from **SQL** databases to **NoSQL** databases like **MongoDB** along with **CRUD** operations.
	+ Worked on **Jenkins**, **GitHub**, **Artifactory** and all internal build systems**(CI/CD**) for the core development team on an enterprise-level Java-based cloud orchestration/automation tool.

**Environment:** Jdk1.8, JavaScript, AWS, Hibernate, Microservices, Groovy, HTML5, CSS4, Angular 6, XML, XSLT, Restful web services, TypeScript Spring, Spring Boot, Spring MVC, Maven, Mongo DB, NoSQL, AWS, AWS EKS, Docker, JUnit, Mockito, Apache Kafka, Apache tomcat server, Log4J, Splunk, Linux.

**Client: Bust Buy, Southfield, MI Nov 2019 – Apr 2021**

**Position: Sr. Java Developer**

**Project Description:** The project focused on developing a robust web application using Java and Angular 4, following Agile methodologies and emphasizing Test-Driven Development (TDD). It aimed to create a scalable and secure platform for efficient data transfer and user interaction.

**Responsibilities:**

* + Requirement Analysis and documentation as per **SDLC** Methodologies using Agile Methodology.
	+ Worked on Agile methodology and **Test-Driven Development (TDD)** environment.
	+ Responsible for gathering Requirements, Design, Analysis, Development, Validation and Testing.
	+ Implemented **Single Page Application** with components, views, routing services of **Angular 4.**
	+ Worked on **Angular 4** modules, components, router for navigation, and services to connect backend applications, APIs and exposed to new features like forms, directives, and pipes of **Angular 4**.
	+ Used **RESTful**service to transfer data in**JSON/XML** format between front-end and server.
	+ Worked on **Java 8** features like Lambda expressions, Streams, multi-threading, effective sorting.
	+ Worked on new features of **Java 8** Annotations, Lombok, Method References, Collections, Generics.
	+ Implemented Spring Boot with **Microservices**to divide the application into various applications.
	+ Generated **REST APIs** using **JAX-RS** implementation using GET, POST, DELETE, PUT endpoints.
	+ Added support to login page to Inside View with Microsoft **OAuth** APIs.
	+ Implemented security standards for applications using Spring security powered by **OAuth** and worked on various solution to stop security issues like XSS, CSRF, CORS
	+ Designed web pages using **AJAX, HTML5, CSS3, JavaScript, XML** and **node.js**.
	+ Experience in making web pages at the client-side dynamic by using **JQuery**to make the **HTML5**and **CSS3**code to interact with the JavaScript functions
	+ Configured typescript application through tsconfig file for various purposes like transpiling, debugging, tracing, generating separate folder for distributable etc
	+ Implemented Spring Retry based on **Hystrix** circuit breaker fallback response, implemented **Hystrix** circuit breaker pattern to handle timeout errors when the services are down.
	+ Designed web applications using technologies like **NodeJS**and tool Web Storm.
	+ Designed and implemented the application using **Spring IOC**, Spring Annotations, Spring Transactions, Spring MVC, Hibernate. Used Spring Framework for Dependency Injection
	+ Established efficient logging and Exception Handling using**Spring AOP.**
	+ Used **Spring IOC / Dependency Injection** extensively. Used Spring AOP for efficient logging and Exception Handling and **Spring Security** for configuring access control.
	+ Implemented **Microservices** architecture using **Spring Boot** for independent applications.
	+ Created **REST APIs** for consuming the data from the **SOAP XML** and published them into **APIs**.
	+ Responsible for migrating existing modules from **IBM MQ** to **Apache Kafka** and worked on creating Kafka adaptors for decoupling the application dependency.
	+ Used **Dynatrace** for performance metrics and finding the root cause analysis.
	+ Using **Jenkins** for **CI/CD**, using **Ant**, **Maven** for build, **GIT** for version control.
	+ Expertise with **Kubernetes** to automate deployment, scaling and management of containerization.
	+ Used **Eclipse** as the IDE and used eclipse standard/plug-in features for editing, debugging, compiling, formatting, build automation, test cases, and accessory code generation.
	+ Developing scripts for build, deployment, maintenance and tasks using **Jenkins**, **Docker**, **Maven**.
	+ Hosted the application on **WebSphere** and used **Maven** as the build automation tool.
	+ Used **Log4j2**to capture the logs that includes runtime exception and for logging info for debugging.
	+ Experience in managing **MongoDB** database from availability, performance, and scalability.
	+ Developed GIT controls to track and maintain the different version of the project.

**Environment:** Agile methodology, HTML5, CSS3, JavaScript,Typescript, Angular4, AJAX, Java 8, Restful Web Services, Microservices, Spring, Spring Boot Framework, Spring Batch, JPA, Jenkins, Kubernetes, Apache Kafka, Ant, WebSphere, Hibernate, Maven, SOAP, JUnit, Hystrix, Dynatrace, OAuth2.0, GIT, MongoDB, Log4J2, Eclipse.

**Client: Brio Technologies Private Limited, India Sep 2017– Aug 2019**

**Role: Java Developer**

**Project Description:** The project aimed to develop a comprehensive enterprise-level application using Java, with a focus on utilizing core Java functionalities, design patterns, and database interactions. It involved collaborating with the business/system analyst team to understand requirements and implement them effectively.

**Responsibilities:**

* + Extensively used core Java Collections, Generics, Exception Handling, and Design Patterns for functionality Involved in writing different Design Patterns like Filter, Action, Business Delegate, Service Locator, Data Transfer Objects (DTOs), and **Data Access Objects (DAOs)**
	+ Involved in writing and executing stored procedures, functions, and triggers for Oracle to create a Database
	+ Used **JDBC/Hibernate** in the persistence layer of the application.
	+ **Log4J** is used for logging purposes and debug levels are defined for controlling what we log.
	+ Writing Unit test cases using the JUnit testing framework and performing unit and system testing.
	+ Used Jenkins for continuous integration in which all development work is integrated and involved in deploying the application using **Docker to the AWS** environment.
	+ Used multithreading to improve performance in generating the reports in Java.
	+ Designed and developed Web **Services (SOAP, WSDL).** Created and compiled **XML** Schema to generate Java Bean classes using **Apache Axis.**
	+ Participated in requirements Analysis work with the Business/system analyst team to understand requirements.

**Environment**: Core Java/J2EE, Servlets, JSTL, CSS, JSON, SASS, JMS, XML, XSLT, JDBC, Ajax, Spring AOP Module, Ant Scripts, HTML, JavaScript, Eclipse, JUnit, Ant, Oracle 10g.

**Client: Marks and Spencer’s, India Jul 2013 – Aug 2017**

**Role: Software Developer**

 **Project Description:** The project involved participation in various phases of the Software Development Life Cycle (SDLC) to develop a robust enterprise-level application. It focused on leveraging core Java functionalities, design patterns, and integration of different technologies to meet business requirements effectively.

**Responsibilities:**

* + Involved in various phases of Software Development Life Cycle **(SDLC).**
	+ Extensively used core Java Collections, Generics, Exception Handling, and Design Patterns for functionality Involved in writing different Design Patterns like Filter, Action, Business Delegate, Service Locator, Data Transfer Objects **(DTOs),** and Data Access Objects **(DAOs)**
	+ Involved in writing the exception and validation classes using Struts validation rules.
	+ Implemented the Email module, which included setting up the JMS message queue.
	+ Used Apache Axis for consuming Web Services.
	+ Used JDBC/Hibernate in the persistence layer of the application.

**Environment**: J2EE, Java SDK, XML, SAX, JSP, JMS, SASS, HTML, Struts, Hibernate, Servlets, Eclipse, Web Services, JUnit, Unix, Ajax, Gradle, Oracle 10g.