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## **PROFESSIONAL EXPERIENCE**

- Experienced in System analysis, design, development, and Implementation of Web and Client/Server Applications using Java/J2EE technologies.
- Experienced in all phases of the Software Development Life Cycle (SDLC).
- Experienced in relational databases such as Oracle, MySQL, Postgres, and non-relational databases MongoDB.
- Experienced in Amazon Web Services: EC2, S3, SNS, SES, SQS, and CloudFront
- Experienced in Google Cloud: Compute Engine (Virtual instances), IAM, and admin.
- Hands-on experience in deploying applications on Linux machines.
- Experienced in integrating open-source software for app deployment, including Jenkins, Docker, Docker Swarm, Kubernetes, and Portainer.
- Experienced in software development methodologies like Agile SCRUM.
- Experienced in Object Oriented Programming (OOP) and Object-Oriented Design (OOD) Methodologies.
- Experienced in implementing IOC/Dependency Injection features in various aspects of Spring Framework.
- Implemented design patterns such as MVC, Facade, DAO, Singleton Pattern, Front Controller, and Business Delegate.
- Experience in spring boot for developing and consuming RESTful APIs.
- Experience in building microservice applications in Domain Driven Design environment, Feign Client, Zipkin, Resilience4j, and Redis.
- Hands-on experience in CI (Continuous Integration) using Maven, Gradle, and Jenkins for automated build and deployment and Junit for unit testing.
- Experience in working with Application servers like Tomcat, Nginx
- Experienced in Designing and Developing RESTful web services.
- Experience with Java 8 features such as lambda expressions, Parallel operations on collections, and effective sorting mechanisms and Generics.
- Experienced in JIRA tool for issues/bug tracking, monitoring of work assignments in the system
- Good Experience in software configuration management using GIT.
- Used Kafka Event to distribute messages across multiple topics.
- Experience with Spring Security, KeyCloak, OAuth, JWT, and Okta.
- Experience with API Documentation using Swagger, and OpenAPI.
- Experience with automated tools such as selenium, and selenide.
- Excellent technical ability, good communication skills, and hard-working attitude, flexible working individual and team with the insight of determining priorities, scheduling work, and meeting critical deadlines

## **TECHNICAL SKILLS:**

**Languages:** Java, Groovy, JavaScript, Typescript

**Web:** JSP, Servlet, Ajax, jQuery, JSON, XML, CSS, HTML, React, Angular, Bootstrap

**Web Services:** REST Web Services

**Web and Application Servers:** Tomcat, Glassfish, Apache, Nginx

**Frameworks:** Spring, Grails, Hibernate, Angular, Express, NestJS

**Databases:** MySQL, MongoDB, Oracle

**Design Patterns:** Singleton, Factory, Builder, Template

**SDLC:** Agile, Scrum

**Enterprise Integration and Messaging Systems:** Kafka with Spring Cloud Stream

**Test-Driven Development:** Junit, Mockito

**Security:** Spring Security, Keycloak, OAuth, JWT, Okta

**API Documentation:** Swagger, OpenAPI

**Continuous Integration / Deployment:** GitHub Actions, Jenkins

**Build Tools:** Maven, Gradle

**Version Controls:** Git

**Container:** Docker, Kubernetes

**Cloud Platform:** AWS, Google Cloud

**Platforms:** Linux, macOS, Windows

## **SMAT, Delémont, Switzerland (Remote)** **Software Engineer**

Jan 2021 – April 2022

- Developed the application using Java, Spring MVC, Spring Rest, Spring Data JPA, and Groovy on Grails.
- Developed front-end using React, React Hook, Redux, and Material UI.
- Designing and maintaining databases.
- Designed and developed REST APIs and Consumed third-party APIs.
- Integrated open-source software for document storage(Minio alternative of S3).
- Developed Model, Service, and Controller classes of the application to separate the layers.
- Integrated Swagger and OpenAPI for API Documentation.
- Integrated open-source software for application deployment(Docker, DockerSwarm, Portainer).
- Restructured Redux Data state to accommodate API service requests.
- Actively involved in agile scrum processes such as daily standup meetings, grooming sessions, sprint planning, and sprint demo.
- Utilized the Spring AOP feature for implanting cross-cutting concerns like logging and Transaction Management and separated the business logic from System Services.
- Actively involved in the production release activities.

- Monitor and resolve production-related issues.
- Used H2 as an in-memory database for testing services locally.
- Used Jenkins for CI/CD and Maven for building applications.
- Used Git for the version control and Junit for unit tests.
- Used Tomcat, Nginx application server to deploy the application.
- Worked with Liquibase change sets for version control of the Database.
- Exposed spring Controller Endpoints based on business requirements.
- Worked with GET, POST, PUT, PATCH, and DELETE HTTP methods for retrieving and sending data to the server and performing the CRUD operations on Database.
- Designed and developed Microservices business components using Spring Boot.

**Environment:** Java, HTML, XML, CSS, JavaScript, TypeScript, React, jQuery, java Servlets, AJAX, JSP, JSTL, Spring MVC, Spring AOP, Spring Boot, Spring Rest, Spring Security, Spring JDBC, Groovy on Grails, Hibernate, AWS, Micro Services, Mysql, MongoDB, SQL, Mac, Windows, Linux, Docker, Log4j, Maven, JIRA, GIT, Docker, GitHub Actions, Portainer, Google Cloud, Minio.

**Deerhold Nepal Pvt Ltd – Kathmandu, Nepal**

July 2018 - Jan 2021

### **Software Engineer**

- Involved in various phases of the Software Development Life Cycle (SDLC) as requirement gathering, analysis, design documentation, development, test cases, implementation, and production support of the application.
- Developed backend applications using Java, Spring MVC, Spring Rest, Spring Data, and JPA.
- Developed and maintain databases.
- Actively involved in the production release activities.
- Monitor and resolve production-related issues.
- Developed front-end User interface using React, Bootstrap, Html, and CSS.
- Designed and developed RESTful web services using MVC design patterns.
- Used Spring Validations Framework for validating the properties of java beans.
- Wrote unit and integration tests using React testing library for frontend and Junit, and Mockito for the backend.
- Experience in Core Java concepts such as OOP Concepts, Collections Framework, Exception Handling, I/O Systems, and JDBC.
- Experience with Java 8 features such as lambda expressions, Parallel operations on collections, and effective sorting mechanisms and Generics.
- Actively involved in the technical swarm meeting with different team members and Used Jira for controlling and monitoring the task/story.
- Used Jenkins for continuous integration and continuous deployment.

- Participated in agile scrum processes such as daily standup meetings, grooming sessions, sprint planning, and sprint demo.

**Environment:** Java, HTML, JSON, CSS, JavaScript, TypeScript, React, Redux, jQuery, java Servlets, AJAX, JSP, JSTL, Spring MVC, Spring AOP, Spring Boot, Spring Rest, Spring Security, Spring JDBC, Hibernate, AWS, Micro Services, Mysql, Oracle, AWS, MongoDB, SQL, Mac, Windows, Linux, Docker, Log4j, Maven, JIRA, GIT, Docker, GitHub Actions, Portainer, Google Cloud, Minio.

**Goglides Team Pvt Ltd – Kathmandu, Nepal**

Jun 2017 - July 2018

### **Software Engineer**

- Involved in the implementation of design using the phase of the SDLC that includes Development, Testing, Implementation, and Maintenance Support using an AGILE methodology (SCRUM)
- Used Spring MVC for implementing the controller web layer of the application, developed controllers, views, and used handler mapping classes in spring configuration files
- Developed the application using Spring Boot, Hibernate, and Angular along with HTML, CSS, JavaScript, jQuery, and Bootstrap and used HTTP service to communicate with backend services.
- Tomcat, Nginx Application Server was used as the application server for deploying the application
- Involved in setting up Maven configuration and helping with Continuous Integration issues.
- Used Jenkins for continuous integration with Maven and GitHub.
- Used Git for version control and Junit for unit tests.
- Integrated Keycloak for SSO.
- Consumed REST-based Microservices with Rest template based on RESTful APIs.
- Worked on Docker container implementation for the Enterprise build system.
- Deployed the applications in AWS as EC2 instances and create snapshots for the data that must be stored in AWS S3.
- Worked on LINUX to move the project into a production environment.

**Environment:** Java, HTML, JSON, CSS, JavaScript, TypeScript, Angular, jQuery, java Servlets, AJAX, JSP, JSTL, Spring MVC, Spring AOP, Spring Boot, Spring Rest, Spring Security, Spring JDBC, Hibernate, Groovy on Grails, AWS, Micro Services, Mysql, MongoDB, SQL, Mac, Windows, Linux, Docker, Log4j, Maven, JIRA, GIT, Docker, GitHub Actions, Portainer, Keycloak.

**Deerwalk Training Center Pvt. Ltd, Kathmandu, Nepal**  
IT training school based in Kathmandu.

Feb 2019- Jul 2020

**Java Instructor:** Provided hands-on training to students.

Covered topics including Basic Programming with Java and Groovy: Back-End Programming with Spring Boot, groovy on rails, and Front-End Programming with React.

**Technologies Used:** Java, Grails, Spring Boot, React, MySQL

**Javascript trainer, Deerwalk Institute of Technology**

March 2020 -May 2020

Provided a hands-on 3 months workshop to students on JavaScript programming using NodeJs (Express framework) for the 4th and 6th-semester students.

### **ACADEMIC PROJECTS**

**Car Rental System, MIU (2022):** Developed car rental system with microservices architecture in Domain Driven Design environment.

**Technologies Used:** Spring Web/Security, Spring Boot, JWT, Google Cloud, Docker, Kubernetes, Zipkin, Resilience4J, Junit, Mockito, MongoDB, MySQL, OpenAPI, Swagger, Feign Client, ReactJS, GitHub Actions, Redis, Stripe.

**E-Commerce, MIU(2022):** Developed an e-commerce website using a microservices architecture.

**Technologies Used:** Spring Boot, Spring Web/Security, Domain Driven Design, Docker, Feign Client, Kubernetes, Junit, MongoDB, MySql, GitHub, MacOS

**Blogging, MIU (2022):** Developed blog system with microservices architecture in Domain Driven Design environment.

**Technologies Used:** Spring Web/Security, Spring Boot, JWT, MySQL, Feign Client, Docker, GitHub Actions

**Online Dictionary, MIU (2022):** Developed online dictionary.

**Technologies Used:** NodeJS, Express, MongoDB, Mongoose, Compass.

**Library Management System, MIU (2022):** Designed application to manage library processes.

**Technologies Used:** Java, Swing

## **EDUCATION:**

- **Master in Computer Science from the Maharishi International University. Fairfield, Iowa** (*Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** Available for full-time, W-2 employment*).
- **Bachelor of Computer Application from National Academy of Science and Technology (Pokhara University), Kailali, Nepal**