

SANDIP MAHATO

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FULL STACK JAVA DEVELOPER

Skilled full stack developer with approximately 4 years of experience leading and contributing to development of enterprise web and mobile software in fast-paced and secure Agile Scrum environments. Hands-on expertise in Java, ReactJS, Spring Cloud, Oracle, MySQL, PostgreSQL, Spring Data, Spring Security, and JPA. Highly personable with talent for leading, managing and mentoring elite technical teams.

Software Development Lifecycle · Web Services · Java Programming · Microservices

Software Development Lifecycle · Team Leadership · Object-Oriented Programming · Technical Troubleshooting

Dependency Injection · Java Frameworks · Mobile & Web Application Development

Languages: Java, TypeScript, C, C++

Web: HTML5, CSS3, JavaScript, Bootstrap, AJAX, jQuery, React, XML, JSP, EJB, JUnit, Servlets, Prime React

Web Services: RESTful, Microservices, JSON, SOAP

Web/App Servers: Apache/Tomcat, Nginx

Frameworks: Spring (MVC, Boot, Security, Data, AOP, Dependency Injection, Cloud), Hibernate, JPA

Databases: Oracle, MySQL, PostgreSQL, MongoDB, Access

Design Patterns: MVC, Singleton, Prototype, Observer, Session, Session Factory, Dependency Injection, Decorator, Strategy, Iterator, Adapter, Command

SDLC: Agile/Scrum, Waterfall

Tools: Postman, IntelliJ, STS, Eclipse, Visual Studio Code, StarUML, Maven, Kafka, RabbitMQ, Zipkin, Docker, Kubernetes, Swagger, Trello, Sublime, Git, ActiveMQ, Webflux, PM2, AWS

Platforms: Windows, Linux, MacOS

PROFESSIONAL EXPERIENCE

CAREER NOTE: 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).

PROFESSIONAL COMPUTER SYSTEM PVT. LTD., Lalitpur, Nepal · 2019-2022

Leading ISO 9001:2015 certified software development and consulting company.

Senior Software Engineer · 2021-2022: Directed all phases of software development lifecycle. Led and mentored technical teams in fast-paced Agile environments.

- Collaborated with stakeholders to determine new product and service requirements.
- Led 5-person team in developing Social Information Management System in microservice architecture using Spring Boot, Spring Cloud, Spring JPA, ReactJS and PostgreSQL.
- Delegated tasks and mentored junior developers, ensuring project success and efficiency.
- Developed microservices with REST APIs for security, look-up, notification, and file functionalities as well as API gateway for centralized KYC system developed on behalf of CDS and Clearing Limited.
- Created Library Management System for Nepal Police Academy, using microservice architecture to transfer library records from paper to digital using Spring Boot, Hibernate, Prime React and MySQL.
- Migrated Spring MVC project to Spring Boot; developed REST APIs for Mero Sangini mobile and web application.
- Tested and deployed applications using Docker, Kubernetes and PM2; assisted in documentation, reporting, and knowledge transfer.

Technologies Used: Spring Boot, React, Visual Studio Code, Spring Tool Suite, Postman, Windows 10, Git, Oracle, Rest Template, MySQL, JSP, Maven, Tomcat, Java, Spring Security, Spring Data, React, Oracle, Postgres, STS, IntelliJ, Docker, PM2

Software Engineer · 2019-2021: Developed and maintained software as key member of technical team. Tested and deployed applications using Apache Tomcat.

- Developed EXIM Export-Import System for Nepalese Ministry of Finance Department of Customs using Spring MVC, Oracle, JSP, AJAX, and JavaScript.
- Created modules including registration, renewal, certificate printing and reporting.
- Developed Sales Staff Data Android and web app, with functionalities for capturing daily call sheets, recording sales visits and generating analytical reports using Spring MVC, JSP, Hibernate and MySQL.
- Assisted in developing FinCloud solution for banks, microfinance and cooperatives. Developed modules for member creation, collection, and validation using Spring MVC, Hibernate, JSP and MySQL.
- Developed Custom Information Monitoring System for Department of Customs, with functionalities for generating reports and ranking office performance using Spring MVC, JSP, AJAX, JavaScript and Oracle.
- Demonstrated ability to work under tight schedules and manage multi tasks simultaneously.
- Provided training to users and presented regular progress reports to clients and management.
- Learned and applied new technologies and frameworks.

Technologies Used: PLSQL, HSQL, Maven, Spring Tool Suite, Tomcat, Windows 10, MySQL, JSP, Eclipse, Git, Oracle, Spring MVC, Postman, Java, Hibernate, JavaScript, AJAX

Intern · 2019: Assisted team in software development; strengthened knowledge of emerging technologies.

- Played key role in developing modules for internal bug reporting system using Spring MVC, Hibernate, JSP, AJAX, JavaScript and MySQL.
- Tested and documented software under guidance of team lead.
- Implemented new modules and improved existing functionality.
- Supported application by fixing bugs and user experience issues, testing and other additional changes.

Technologies Used: Java, Spring MVC, JSP, JavaScript, AJAX, MySQL, Apache Tomcat, Eclipse, Git, Windows

ACADEMIC PROJECTS

Maharishi International University, Fairfield, Iowa (2023)

Student Reward System: Developed microservices-based web app that enabled students to use grades to earn prizes at school. Used Zipkin and Sleuth to implement logging and tracing, and Kafka for message services. Implemented CQRS for business logic; added central config; implemented Spring Security and email service.

- **Technologies Used:** Spring Boot, Spring Data, Spring Cloud, Kafka, Zipkin, Sleuth, Webflux

Cloud Website: Created personal portfolio using ReactJS and backend using API Gateway, DynamoDB, Lambda, SNS and SQS, Deployed in S3 and configured GoDaddy domain in Route53 and Cloudfront.

- **Technologies Used:** ReactJS, Lambda, API Gateway, DynamoDB, SNS, SQS, S3

Library Management System: Developed application with functionalities for checking in and out, managing collections, creating new member accounts, and editing member information.

- **Technologies Used:** Java, Swing, Star UML, File System

EDUCATION

Master of Science in Computer Science

(In progress via distance education; expected completion June 2025)

Maharishi International University – Fairfield, Iowa

Key Courses: Fundamental Programming Practice, Modern Programming Practice, Software Architecture, Enterprise Architecture, Algorithms, Cloud Computing

Bachelor of Engineering in Computer Engineering (2018)

Kathford International College of Engineering and Management, Lalitpur, Nepal

PROFESSIONAL DEVELOPMENT

