

SANDIP MAHATO

Irving, Texas 75038 ☐ 641 233 9152

sandipmahato248@gmail.com ☐ <https://www.linkedin.com/in/sandipmahato248/>

FULL STACK JAVA DEVELOPER

Experienced full stack developer with **4+** years of experience leading and contributing to development of enterprise web and mobile applications in a fast-paced and secure Agile Scrum environments especially in Government, Health, and Finance domain. Hands-on expertise in **Java, Spring Boot, Spring Cloud, Spring Data JPA, Spring Security, ReactJS, Oracle, MySQL** and **PostgreSQL**. Highly personable with talent for leading, managing and mentoring elite technical teams.

Languages: Java 17, J2EE, TypeScript

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

Web Services: RESTful, GraphQL, Microservices, JSON, SOAP, AWS(EC2, S3, Lambda, Route53, CloudFront)

Web/App Servers: Apache/Tomcat, Nginx

Frameworks: Spring (MVC, Boot, Security, Data, AOP, DI, Cloud, Batch), Hibernate, JPA, Mockito

Databases: Oracle, MySQL, PostgreSQL, MongoDB, Redis

Design Patterns: MVC, Singleton, Prototype, Observer, Session, Session Factory, Dependency Injection

SDLC: Agile/Scrum, Waterfall

Tools: Postman, IntelliJ, STS, Eclipse, Visual Studio Code, StarUML, Maven, Docker, Kubernetes, Swagger, Trello, Git, Jenkins, PM2, AWS, JMeter, Splunk

Platforms: Windows, Linux, MacOS

PROFESSIONAL EXPERIENCE

PCS, Lalitpur, Nepal ☐ **02/2019-10/2022**

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

Senior Software Engineer ☐ **07/2021-10/2022**

All phases of software development lifecycle as key member of technical team.

- ☐ Developed generic services with **REST APIs**, including security, lookup, notification, and file functions, plus an **API Gateway** and **Service Discovery** utilizing **Spring Boot, Spring Cloud, ReactJS**, and **PostgreSQL** for easy reuse across multiple projects in microservice architecture.
- ☐ Implemented **OAuth2 spring security** measures at the microservices level, including authentication and authorization leading to an improvement in application security and safeguard users' data.
- ☐ Built event-driven transaction processing applications with **Apache Kafka**, resulting in real-time data processing capabilities, enhancing operational efficiency and responsiveness.
- ☐ Developed responsive and interactive user interfaces (**UI**) using **React, Redux, React Router** and **RESTful APIs** using **Spring Boot** for back-end services.
- ☐ Developed a Library Management System (LMS) for Nepal Police Academy using microservices architecture, powered by **Spring Boot, Spring Cloud, Spring Security, Hibernate, Prime React**, and **MySQL**. Streamlined the digitization of library records, resulting in improved cataloging, tracking and resource management.
- ☐ Utilized Swagger for documentation, resulting in a **50%** reduction in time required for problem-solving, troubleshooting, and knowledge transfer.
- ☐ Deployed Microservices using **Docker, Kubernetes** and **PM2**, improving project scalability and significantly reducing future modification efforts and costs.

Software Engineer ☐ **05/2019-06/2021**

Developed and maintained software as key member of technical team.

- ☐ Migrated legacy project to Spring Boot project utilizing tools like **Java11, PostgreSQL** and **React JS** and implemented **Spring Security (JWT)** for enhanced authentication and authorization. Developed Restful web services for the backend service supporting mobile application functionalities.
- ☐ Collaborated with Agile teams using **Trello** and **Slack**, resulting in a notable 25% improvement in project delivery time.

- ❑ Developed the Export-Import System for the Department of Customs to handle user registration, renewal, certificate printing, and reporting utilizing tools like **Java, Spring MVC, JSP, AJAX, and Oracle**. Implemented a **Renewal Payment** feature for user convenience and efficiency.
- ❑ Assisted in developing the **Banking Application**, an ongoing project delivering comprehensive financial solutions to banks, microfinance institutions, and cooperatives. Contributed to member management module, security and collateral module, validation modules utilizing tools like **Java8, JSP, Ajax, JavaScript, and MySQL**.
- ❑ Developed the Customs Information Monitoring System (CIMS) a reporting tool utilizing **Spring MVC, JSP, AJAX, JavaScript, and Oracle**. Implemented performance indicators to measure the efficiency and effectiveness of customs operations, promoting transparency and accountability through comprehensive performance reports and rankings.
- ❑ Boosted test pass rates by **9%** within a year through strategic testing utilizing **JUnit** and **Mockito**, while also optimizing code management with **Git** for streamlined processes.

Junior Software Engineer ❑ 02/2019-04/2019

Assisted team in software development, strengthened knowledge of emerging technologies. Tested and documented software under guidance of team lead.

- ❑ Contributed to the development of a Bug Management tool used to manage and track bug and issues during the development phase of different projects; used **Spring MVC, Hibernate, JSP, AJAX, JavaScript** and **MySQL** resulting in cutting the development time and ensuring better quality.
- ❑ Implemented new modules and improved existing functionality, including the User Module and dynamic report views based on various search parameters.
- ❑ Enhanced application performance and reliability by conducting **JUnit testing** and implementing optimizations to address bugs, user experience issues and additional changes.

Technologies Used: *Java8/11, Spring MVC, Spring Boot, Microservices, Spring Security, Spring Data, Spring Cloud, Hibernate, Ehcache, REST APIs, React, Redux, Prime React, JavaScript, AJAX, JSP, Oracle, MySQL, Postgres, Rest Template, RestAssured, JWT, OAuth2, Eureka, API Gateway, Resilience4j, Hystrix, Zipkin, WebFlux, Sleuth, Kafka, Swagger*

GRAYCODE TECHNOLOGY, Lalitpur, Nepal · 08/2018-01/2019

Junior Software Engineer

Gained a deep understanding of the in-house product, its functionalities, and underlying technologies.

- ❑ Served as the point of contact for internal users and clients, ensuring prompt and effective responses to inquiries, issues, and feedback. Offer assistance and guidance to optimize user experience and facilitate effective utilization of the in-house product's features.
- ❑ Collaborated with software engineers to enhance software, fix errors, upgrade interfaces, achieving a 30% performance boost within 3 months.
- ❑ Documented user interactions, issues, and resolutions, maintaining a comprehensive record for future reference.

Technologies Used: *Java, Swing, Spring MVC, JSP, JavaScript, AJAX, MySQL, Apache Tomcat, Eclipse, Git, Web Application Development, System Testing*

ACADEMIC PROJECTS

Maharishi International University, Fairfield, Iowa (2023)

Portfolio Website (Cloud): 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, Route53, CloudFront*

EDUCATION

Master of Science in Computer Science
Maharishi International University – Fairfield, Iowa

Bachelor of Engineering in Computer Engineering (2018)
Kathford International College of Engineering and Management, Lalitpur, Nepal