Shivam Mishra

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Scarborough, Ontario [Open to relocate across Canada]

Education

Concordia University, Montreal - *Master in Applied Computer Science* **Jan 2022 – Aug 2023**
Mumbai University, Mumbai - *B.E. Computer Engineering* **Aug 2014 – Aug 2018**

Technical Skills

Languages: Java, Python, JavaScript, PL/SQL, SQL, HTML/CSS
Frameworks: Spring, React, Play, Oracle Forms, JUnit, Mockito, Selenium
Tools: Git, SVN, Jira, Slack, Docker, Kubernetes, Apache Kafka, IBM MQ, SonarQube, Splunk, JDeveloper, Oracle Reports
Database: Oracle(11g, 12c & 19c), MySQL, PostgreSQL, MongoDB, Aurora, DynamoDB, Redis
Concepts & Methodologies: Agile Software development(Scrum), Extensive troubleshooting, Network and socket programming, Data structures & algorithms, Performance tuning
Certificates: AWS Certified Solutions Architect – Associate(Link), AWS Certified Cloud Practitioner(Link)

Experience

Staff Consultant | *Oracle Financial Services Software* Jul 2021 - Dec 2021

- Led a team of 4 to design and develop an upgrade on the messaging system for HDFC Bank India, Bahrain, and Hong Kong including technical as well as functional team,
- Optimized SQL queries to fetch audit data from millions of rows, **reducing the processing time by 40% in production.**
- Conducted client consultations to gather requirements; developed comprehensive requirement documents detailing project scope, estimated efforts, and timeline, resulting in a 20% reduction in delivery time and increased client satisfaction.
- Provided support for IBM MQ and created a smart issue tracker, reducing issues by 73%.
- **Conducted training sessions for a team of 30** to explain the design and development lifecycle of SWIFT messages in FLEXCUBE, including multi-threaded architecture, transaction management, code flow, and debugging.

Associate Consultant | *Oracle Financial Services Software* Sep 2018 - Jun 2021

- Designed and developed Oracle's *FLEXCUBE* banking application using tools and languages including but not limited to Java(J2EE), Python, PL/SQL, Shell scripting, JavaScript, Oracle database, Oracle Reports, and Oracle EPM cloud.
- Collaborated with a team of 2 to **develop the backend architecture of the SWIFT 2018 messaging system, meeting RBI guidelines and saving 4 million INR.**
- Completed 12 development projects and resolved over 150 issues across different modules like LC, LMS, FT, and IMS within challenging deadlines **working onsite for client HDFC Bank.**
- Contributed to a new microservices-based design and created 3 SOAP-based APIs on Spring framework and tested with SoapUI.

Projects

LifeLine | *SpringBoot, Java, React, REST, MySQL, JUnit, Jira* (Git)

- Collaborated with a team of 10 on developing a web application to help Patients, Counsellors, and Doctors provide faster access to the medical system, built on the SpringBoot framework.
- **Designed the database schema for the project using Diagrams.net including tables, relationships, indexes, views, and constraints, and implemented in MySQL.**
- Developed a Repository for the models in the project for the CRUD operations using Spring JPARepository.
- Developed 7 REST APIs to process user data and collaborated with the front-end team to integrate into the application layer built using vue.js.

FindPAth | *Java, Algorithm Design* (Git)

- Worked under the guidance of Dr. Brigitte Jaumard to develop an innovative algorithmic design to identify optimal corridor orientations in hospitals, enhancing safety protocols by effectively segregating COVID and non-COVID patient flows.
- Implemented the new algorithm combining Robbin's one-way street theorem and Kosaraju's Strongly connected component algorithm.
- Performed case study on Victoria Hospital Montreal and **increased the efficiency by 28% by updating the orientations of paths and better isolation for COVID patients.**