KEVIN RODRIGUES

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EDUCATION

Northeastern University, Boston, MA   **Dec 2025 (Expected)**
Master of Science in Software Engineering Systems
Coursework - Object Oriented Design, Web Design, Enterprise Software Design, Database Management, Agile Software Development

Mumbai University, Mumbai, India   **Aug 2016 – Oct 2020**
Bachelor of Engineering in Computer Engineering

TECHNICAL SKILLS

Programming: Java, J2EE, JavaScript, SQL, C#, HTML, Python, Linux, Data Structures, XML
Frameworks: Hibernate, Spring Boot, Angular, React, REST API, Microservices, JDBC, JUnit, Selenium
Database: MySQL, Postgres, Oracle, DB2, SQL Developer, Aqua Data Studio, SQL Server Management Studio
Cloud Computing: AWS (S3, EC2, CloudWatch)
Tools: Eclipse, JIRA, Maven, Service Now, Unix, Git, Bitbucket, Gitbash, Visual Studio Code
Certifications: Oracle Certified Java Associate (OCJA)

PROFESSIONAL EXPERIENCE

EXPERIAN | Mumbai, India | Backend Developer   **Feb 2023 - Aug 2023**
Project - Credit Information Reports and Data | Mumbai, India
• Wrote **database scripts** in relational databases like **Oracle**, **MySQL**, **DB2** for efficient data extraction boosting client request fulfillment
• Developed **REST APIs** using **Spring Boot** and **Java** with **12 endpoints** for credit reports module, reducing response time by **25%**
• Wrote optimized **SQL joins** and **Subqueries**, reducing **API response time** by **35%** and significantly improving system performance
• Committed code periodically on **GitHub** and raised **Pull Requests** on **Bitbucket**, and utilized **Git** for version control and development
• Performed unit testing using **Selenium** and **JUnit** and **API endpoint testing** using **Postman**, resulting in **20%** reduction in system errors

Larsen and Toubro Infotech (LTI) | Consultant (Software Engineer)   **Aug 2020 - Nov 2022**
Project - Citi - Global Cash Management Application | Mumbai, India
• Automated **migration** of manual **jar** file execution to a UI built with **React** and **Spring Boot**, reducing repetitive tasks efforts by **40%**
• **Supervised** a team of 4 in **designing APIs** and system architecture for reports module of Global Cash Management Application
• Integrated **Apache Kafka** and **SWIFT** messages with **Citi** Bank Application to implement **MQTT** protocol in financial services
• Optimized **microservices** and **REST APIs** using **Java** and **Spring Boot**, web pages using **Angular** and **ReactJS** improving **25%** efficiency
• Implemented **CI/CD** pipelines with **Jenkins** and **Git**, automating **microservices deployment** and reducing time by **30%**
• Enhanced existing UI by designing and implementing **reusable components** using **React** accelerating future development
• Led **Selenium** based **automation** testing for **Unit, Integration** and **Regression** tests, decreasing manual testing errors by **18%**
• Followed **Scrum** and **Agile** model practices in **SDLC**, engaging with Analyst's and clients to understand customer needs
• **Debugged** and **troubleshot** complex software issues in the app, and used **JIRA** for tracking **user stories** and **sprints**

PROJECTS

IPL Sports Application | Northeastern University, Boston   **Feb 2024 - April 2024**
• Built a RESTful web application using **Spring MVC**, **Java Persistence API** and **Hibernate** to manage matches of a cricket tournament
• Implemented user authentication and authorization for **Admin** and **User** roles, and integrated **CRUD** functionalities for Admin
• Enforced **referential integrity** to prevent deletion of teams with associated players/matches, and deployed the application on **Tomcat**

Airline Reservation System | Personal Project   **Sept 2022 - Dec 2022**
• Developed an airline reservation system using **Java** and **Angular**, integrating **Spring Security** for authentication and authorization
• Implemented **MySQL Database** to store and manage critical data, ensuring data integrity and reliability for the application
• Utilized **Spring Boot** for building scalable **microservices**, handling booking transactions and user management