

KEVIN RODRIGUES

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EDUCATION

Northeastern University, Boston, MA

May 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, C, SQL, JavaScript, Python, Linux, C++, HTML, CSS, Data Structures, Algorithms, Typescript, JSON, XML

Frameworks: Hibernate, Spring Boot, Angular, React, REST API, Microservices, JDBC, Selenium

Database: MySQL, Postgresql, Oracle, DB2, MongoDB, SQL Developer, Aqua Data Studio, SQL Server Management Studio

Cloud Computing: AWS (S3, EC2, CloudWatch)

Tools: Eclipse, JIRA, Maven, Netbeans, Service Now, Postman, MT Putty, Linux, Excel, Git, Bitbucket, Gitbash, Visual Studio Code

Certifications: Oracle Certified Java Associate (OCA)

PROFESSIONAL EXPERIENCE

EXPERIAN | Mumbai, India

Feb 2023 - Aug 2023

Backend Developer | Project - Credit Information Reports and Data

- Wrote **database scripts** in relational databases like **PostgreSQL, MySQL, DB2** for efficient data extraction and continuous improvement
- Developed **REST APIs** using **Spring Boot** and **Java** with **12** endpoints for credit reports module, reducing response time by **25%**
- Utilized **C** and **C++** to implement low-level system optimizations, enhancing the performance of backend components of the application
- Performed unit testing using **Selenium and JUnit** and **API endpoint testing** using **Postman**, resulting in **20%** reduction in system errors
- Committed code periodically on **Github** and raised **Pull Requests** on **Bitbucket**, and utilized **Git** for version control and development

Larsen and Toubro Infotech (LTI) | Mumbai, India

Aug 2020 - Nov 2022

Consultant (Software Engineer) | Project - Global Cash Management Application

- Optimized **microservices** and **REST APIs** using **Java** and **Spring Boot**, web pages using **Angular** and **ReactJS** improving **30%** efficiency
- Applied **data structures** like **ArrayList** and **HashMap** for development of features in **international funding module** of the application
- Enhanced transaction processing in the Global Cash Management Application using **C** and **C++**, reducing processing time by **27%**
- Developed a functionality using **React** and **Spring Boot** replacing manual jar file execution with user-friendly web UI boosting **45%** efficiency
- Applied **Linux** commands with **SSH Tectia** and **Powershell** tools for efficient file navigation and management across remote server
- Followed **Scrum** and **Agile** model practices in **SDLC**, engaging with Analyst's and clients to understand customer needs
- Implemented **test driven development** method, designing **JUnit** test cases for **microservices**, resulting in a **35%** reduction in defects
- Utilized **JIRA** project management tool for efficient tracking of **user stories**, facilitating detailed tracking of each module's advancement
- Assisted with **Sanity and Regression testing**, led **Selenium automation testing**, reducing errors by **18%** and boosting software quality

PROJECTS

IPL Sports Application | Northeastern University, Boston

Feb 2024 - April 2024

- Developed a web app using **Java**, **hibernate** and **JSP** following **Spring MVC** architecture 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 app on **Tomcat Server**

Airline Reservation System | Personal Project

Sept 2022 - Nov 2022

- Developed an airline reservation system using **Java** and **Angular**, integrating **Spring Security** for authentication and authorization
- Implemented **Oracle Database** to store and manage critical data, ensuring **data integrity** and reliability for the application
- Performed **API testing** using **Postman** and **JSON** data, wrote **unit test** cases with well documentation to reduce the errors