

# KEVIN RODRIGUES

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Available - May 2025 onwards

## EDUCATION

<b>Northeastern University, Boston, MA</b> Master of Science in Software Engineering Systems <b>Coursework</b> - Object Oriented Design, Enterprise Software Design, Database Management, Web Design, Algorithms, Design Patterns	<b>May 2025 (Expected)</b>
<b>Mumbai University, Mumbai, India</b> Bachelor of Engineering in Computer Engineering	<b>Aug 2016 - Oct 2020</b>

## TECHNICAL SKILLS

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

## PROFESSIONAL EXPERIENCE

<b>Graduate Teaching Assistant</b> , Northeastern University   Boston, USA • Assisted <b>Prof. Chen Hsiang Yu</b> in Object Oriented Design in <b>Java</b> course for <b>170+ students</b> by performing duties like resolving student doubts, conducting meetings, supporting student learning, grading assignments, and setting mid-term, final exam papers.	<b>Sept 2024 - Present</b>
<b>Backend Engineer</b> , Experian   Mumbai, India • Wrote <b>database scripts</b> in relational databases like <b>Oracle, MySQL, DB2</b> for efficient data extraction boosting client request fulfillment • Developed <b>REST APIs</b> using <b>Spring Boot</b> and <b>Java</b> with <b>12 endpoints</b> for credit reports module, reducing response time by <b>25%</b> • Wrote optimized <b>SQL joins</b> and <b>Subqueries</b> , reducing <b>API response time</b> by <b>35%</b> and significantly improving system performance • Committed code periodically on <b>GitHub</b> and raised <b>Pull Requests</b> on <b>Bitbucket</b> , and utilized <b>Git</b> for version control and development • Performed unit testing using <b>JUnit</b> and <b>Mockito</b> , and <b>API endpoint</b> testing using <b>Postman</b> , resulting in <b>20%</b> reduction in system errors	<b>Feb 2023 - Aug 2023</b>
<b>Software Engineer</b> (Consultant), Larsen and Toubro Infotech (LTI)   Mumbai, India • Automated <b>migration</b> of manual <b>jar</b> file execution to a UI built with <b>React</b> and <b>Spring Boot</b> , reducing repetitive tasks efforts by <b>40%</b> • <b>Supervised</b> a team of 4 in <b>designing APIs, system architecture</b> , and <b>technical design</b> document for reports module of the application • Improved website performance of dashboard by implementing <b>lazy loading</b> of images using <b>JavaScript</b> , reducing load time by <b>35%</b> • Integrated <b>Apache Kafka</b> and <b>SWIFT</b> messages with <b>Citi Bank</b> Application to implement <b>MQTT</b> protocol in financial services • Optimized <b>microservices</b> and <b>REST APIs</b> using <b>Java</b> and <b>Spring Boot</b> , web pages using <b>Angular</b> and <b>ReactJS</b> improving <b>25%</b> efficiency • Implemented <b>CI/CD</b> pipelines with <b>Jenkins</b> and <b>Git</b> , automating <b>microservices deployment</b> and reducing time by <b>30%</b> • Led <b>Selenium</b> based <b>automation</b> testing, conducted <b>Unit, Integration</b> and <b>Regression</b> tests, decreasing manual testing errors by <b>18%</b> • Followed <b>Scrum</b> and <b>Agile</b> model practices in <b>SDLC</b> , engaged with Analyst's and used <b>JIRA</b> for tracking <b>user stories</b> and <b>sprints</b>	<b>Aug 2020 - Nov 2022</b>

## PROJECTS

<b>IPL Sports Application</b>   Northeastern University, Boston • Built a RESTful web app using <b>Maven, Spring MVC, Java Persistence API</b> and <b>Hibernate</b> to manage matches of a cricket tournament • Optimized data handling with <b>Spring Data JPA</b> , achieving a <b>30%</b> faster response time, critical for application's operational efficiency • Enforced <b>referential integrity</b> in <b>MySQL database</b> to prevent deletion of teams with associated players/matches	<b>Feb 2024 - April 2024</b>
<b>Airline Reservation System</b>   Personal Project • Developed an airline reservation system using <b>Java</b> and <b>Angular</b> , integrating <b>Spring Security</b> for authentication and authorization • Implemented <b>Oracle Database</b> to store and manage critical data, ensuring data integrity and reliability for the application • Utilized <b>Spring Boot</b> for building scalable <b>microservices</b> , handling booking transactions and user management	<b>Sept 2022 - Dec 2022</b>