Rajkumar Kumaravelu

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Education

Northeastern University, Boston, MA - *Master of Science in **Information Systems***   *Expected May 2024*
Courses: Data Structures and Algorithms, Web Development Tools and Methods, Adv Big-Data App/Indexing, Data Management and Database Design, Web Design and User Experience Engineering
Pondicherry University, Puducherry, India- *Master of Business Administration*   *July 2014 - May 2016*
Anna University, Chennai, India - *Bachelor of Engineering in Mechanical Engineering*   *Aug2010 - May 2014*

Technical Skills

Programming Languages: Java, JavaScript

Web Technologies: HTML, CSS, SASS, REST, React, NodeJS, JSP, Servlets, AJAX, XML, JSON, jQuery, JPA
Frameworks/Database**:** J2EE, Maven, Spring(Boot, Security), MVC, Docker, Hibernate, Redis, SQL, Mockito, OAuth, JWT
Software Engineering: Agile SCRUM, Git, GitHub, Jenkins, Object-oriented programming/Design, JIRA, AWS
Tools: Postman, Swagger, Eclipse, Command Line, Bash,
Operating System: MacOS, Windows, Linux

Projects

AceIt – Bright Minds – *Spring Boot, Hibernate*   *Mar – Apr 2023*
- Developed Spring Web-based tutoring application for online knowledge sharing between students and tutors using HTML, CSS, Bootstrap, JSP
- Established JPA mapping by integrating Hibernate ORM with Spring Boot to MySQL Database
- Performed asynchronous request handling between client and server using Ajax in JSON format
- Automated the documentation process of API by consuming Swagger API

Food Lucious - *Spring Boot, Hibernate*   *Mar – Apr 2023*
- Developed REST API of an Online Food Delivery application for data exchange between client and server using Spring Boot, MySQL
- Programmatically manipulated the data to generate a PDF document using a third-party library

DataCafe – MySQL, Tableau   *Mar – Apr 2023*
- Designed and Normalized ER Model for Internet-based Food Delivery System using MySQL Workbench.
- Executed user functionalities such as Stored Procedures, Views, Triggers, UDF, non-clustered indexes

Shopping Cart – *Spring MVC*   *Feb – Mar 2023*
- Developed a shopping cart application using Spring MVC architecture for online ordering
- Utilized session management for storing, fetching, and deleting products stored in the cart
- Implemented programmatic security for authenticating the user roles during login

Flatmate Expense Tracker – *MERN Stack*   *Nov – Dec 2022*
- Developed a dynamic web application using frontend technologies like React**,** HTML, CSS, SASS, and Bootstrap and utilized using NodeJS with ExpressJS for the backend to fetch data from MongoDB
- Employed Rest client - POSTMAN tool to test REST API services

SmartCity – *Java, MySQL*   *Nov – Dec 2022*
- Designed Object Model and Developed a Java Swing application using Ecosystem Model, use cases and used MySQL for the database

Professional Experience

National Payments Corporation of India, Chennai, India
Associate Certification Operations – Software Development   *Jan 2022 – Aug 2022*
- Worked on Spring Boot Application that fetched data from REST API's and developed a schema for validation of the script which improved testing accuracy by 10%
- Increased production movement by 10% by certifying 280 banks IMPS products by performing code reviews and testing the financial transactions

Straive, Puducherry, India
Senior Subject Matter Expert – Team Management & Operations   *May 2016 – Dec 2021*
- Developed Front-end design for web applications using HTML and CSS and collaborated in code debugging
- Worked alongside with DevOps team to establish Jenkins pipeline configuration for CI/CD of applications from GitHub to the cloud server using Webhook reducing the turnaround time by 40%
- Collaborated with senior management in requirements gathering sessions to ensure the client and technical needs are aligned thus reducing the 15% of project rework due to scope changes