Sharanya Maryada

617-835-7609 | maryada.s@northeastern.edu | sharanya-maryada | github.com/sharanya-maryada

EDUCATION

Northeastern University   Boston, MA
Master of Science, Information Systems   *Jan. 2022 – May 2024*

EXPERIENCE

Software Engineer   Jul. 2024 – Present
Bear Brown and Company   *Boston, MA*
- Developed and maintained a dynamic, responsive website for Bear Brown & Company using **Java** and **Spring Boot** for the backend, paired with modern frontend technologies
- Conducted unit testing with **JUnit** and **Mockito**, ensuring high code quality and reliability by mocking dependencies and validating the functionality of both backend services and frontend components
- Implemented automated testing using **Selenium** for frontend testing, ensuring cross-browser compatibility

Software Engineer Intern   Jun. 2023 – Dec 2023
Brigham and Women's Hospital   *Boston, MA*
- Reduced data entry errors by **25%** and improved research efficiency by contributing to the development of a **microservices based** data management system with **RESTful APIs** for kidney cancer patient data
- Enhanced user satisfaction scores by **40%** by developing user-friendly software solutions using **TypeScript**, **React.js**, and integrated **RESTful APIs**, significantly improving the interface and interactivity
- Accelerated research insights by reducing the time required for data analysis by **50%**, leveraging statistical analysis and data visualization tools in a **microservices architecture**

Graduate Student Employee   May. 2022 – Aug 2022
Northeastern University   *Boston, MA*
- Act as 1st point of contact, administer and oversee server-based **linux apps** & manage the **library's website**
- Conduct detailed analysis of data generated from library's website, extracting actionable insights for **Power BI dashboards**, resulting in a **15%** improvement in report accuracy

Software Engineer   Jun. 2019 – Dec 2021
Unosis IT Solutions   *Banglore, IND*
- Developed and implemented a **Spring Boot** application to **modernize legacy** software for Rupay credit card users, resulting in a **15%** reduction in transaction processing time and significantly enhanced user experience
- Utilized **RESTful APIs and microservices** architecture to improve scalability and maintainability of the system enabling independent scaling and updating microservices without downtime
- Engineered an automated credit card validation system using **Java and TestNG**, increasing productivity by **25%** and reducing manual testing efforts. Implemented robust error handling and logging mechanisms, enabling faster issue identification and resolution

PROJECTS

Personal Finance Management System   Jan. 2023 – May 2023
- Developed a microservice architecture using Spring Boot and Spring Cloud for seamless integration with multiple financial institutions, enabling real-time import and categorization of transactions
- Implemented financial goal tracking with Spring MVC, Thymeleaf, and machine learning recommendations

WordPress App Migration to AWS   May. 2022 – Aug 2022
- Engineered migration of a WordPress web-application from an on-premise environment to AWS; ran app on the EC2 web server and migrated the MariaDB database to RDS through DMS

TECHNICAL SKILLS

Languages: Java, Go, C, Python, JavaScript, SQL, NoSQL
Frameworks, OS & IDE: SpringBoot, Node.js, AngularJS, React.js, Flask, Visual Studio, HTML, CSS, Spring, IntelliJ, Eclipse
Databases: MySQL, OracleDB, MS SQL Server, MongoDB, Neo4j
Developer Tools and Technologies: Cassandra, Kafka, Spark, Elasticsearch, Redux, Mockito, Selenium, JUnit, Git, Gitlab, Cloud Computing, Amazon Web Services(AWS), Microsoft Azure, Google Cloud Platform(GCP), Postman, Webpack, Docker, Gradle, Microservices, CI/CD, Kubernetes, Terraform, Jira, Jenkins