Areeb Ul Haq

613-255-1297   areebulhaq@cmail.carleton.ca   linkedin.com/in/areeb-ul-haq/

Software Engineer seeking full-time opportunities for May 2023 with 2 years of relevant experience.

SKILLS

Programming: Java, C#, Python, JavaScript, HTML, CSS, SQL, C, XPath
Tools: Git, Jenkins, JIRA, Confluence, ADO, GitHub, Postman, OpenShift, Prometheus, Grafana APIM, PostgreSQL
Implementation Methodologies: Agile, Waterfall, TDD, BDD, CI/CD
Operating Systems: Windows, Linux

WORK EXPERIENCE

ESDC   **Sept 2022 – Current (4 months)**
Software Developer   *Ottawa, Ontario*

- Built RESTful Java Spring-boot APIs for multiple platforms integrated with message queues/topics whilst achieving high cohesion and low coupling.
- Developed and deployed Spring-boot microservices in ARO OpenShift Kubernetes platform with < 20% memory limit usage and internally hosted proxies for multiple API's on APIM Gateway.
- Refactored legacy code and integrated Prometheus operator and Grafana dashboards to monitor system health and end-user behaviors in real time resulting in a decrease of 17% in JVM memory usage.

Kinaxis   **May 2022 – Sept 2022 (4 months)**
Full-Stack Software Developer   *Kanata, Ontario*

- Developed and upgraded C# algorithms for dependency mapping utilizing in-house Server API resulting in 95% accurate dependency mapping.
- Engineered C#.NET file/web scraping tools leveraging the HAP library and node traversing with XPath to retrieve 1000+ resource descriptions and dependencies.
- Designed and integrated new GUI components utilizing the Windows Forms GUI to improve existing Front-end UI.

ESDC   **Jan 2021 – Apr 2022 (16 months)**
Software Developer   *Ottawa, Ontario*

- Implemented Java Apache Camel message-oriented middleware to retrieve/write messages in queues, perform translation/mapping, resulting in 100% happy path resolution.
- Integrated Java JMS message processors managing transactions, error handling, concurrency & throttling, database inserts with appropriate unit, integration, and mock testing to achieve 95%+ code coverage.
- Built internal tool using Java for automation of back-end pipeline testing to save development team up to 2 hours weekly.

TECHNICAL PROJECTS

JobMate | *Python (Django), JavaScript, HTML, CSS, PostgreSQL*   **Sept 2022 – Current**

- Developed a fully functioning web application for resume improvement resulting in an average increase of 20% in rating.
- Built back-end leveraging open-source APIs for 4 microservice components to increase run-time and scalability.
- Integrated a PostgreSQL database within Python code to access various data fields to complete the full-stack solution.

Elevator Subsystem | *Java, JSON*   **Jan 2022 – Apr 2022**

- Implemented a multi-threaded elevator subsystem using MVC, Factor, Singleton, and other design patterns.
- Increased efficiency using UDP networking protocol to communicate between threads to operate multiple elevators.
- Developed GUI to display all floors, capacity, and a visual for the back end multi-threaded processes.

EDUCATION

Carleton University   **Sept 2018 – May 2023**
B.Eng. Software Engineering