Burhan Faquiri

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TECHNICAL SKILLS

Programming Languages: Python, C#, Kotlin, Java, JavaScript, C++, Swift
Frameworks/Tools: Git, Azure DevOps, Gradle, Jenkins, Unity, .NET Core, React, Spring, SQL, JIRA, Docker, Kubernetes

WORK EXPERIENCE

Centre for Applied AI & Naryant — January 2024 – April 2024
Software Engineer & Data Analyst Intern
- Modeled traffic patterns using SUMO and OpenStreetMap, improving accuracy in 10+ zones for urban planning
- Built a Python Selenium scraper to automate Oakville demographic data extraction from census sources
- Developed ETL processes to transform demographic data into SUMO XML format, streamlining traffic simulations
- Optimized SQL queries by indexing key columns and restructuring joins, improving data retrieval speed by 20%

FreshBooks — May 2023 – August 2023
Full-Stack Software Engineer Intern
- Crafted a dashboard using Node and React for developer experience to monitor the status of microservices using data extracted from Google Cloud Platform console
- Transitioned CI/CD pipelines to Microsoft Azure DevOps, utilizing Python, Docker, Kubernetes, & Helm charts, boosting developer productivity & reducing errors
- Published custom Azure DevOps tasks on Visual Studio Marketplace, improving developer experience & reducing development time
- Achieved a 34% optimization in build time for FreshCLI, enhancing performance for multiple microservices
- Templated Azure pipelines, promoting best practices & code reusability, resulting in improved developer productivity & error reduction

TD Bank — January 2023 – April 2023
Android Developer Intern
- Contributed to the development & maintenance of the Android TD Bank app using Java, Kotlin & the Android SDK to build responsive & dynamic user interfaces in Jetpack Compose & MVVM architecture
- Implemented HCI guidelines & best practices, resulting in over 90 million visits & a 51% click rate
- Worked with an Agile team to realize project requirements & implement solutions in place to satisfy them
- Utilized JUnit & Mockito for robust unit testing to ensure code stability & quality

GEOTAB — September 2022 – December 2022
Software Engineer & Data Analyst Intern
- Engineered a front-end city maintenance website using React and Redux with the city of Kingston
- Executed geospatial queries on Google BigQuery & filtered GeoJSON data for efficient data analysis
- Constructed RESTful backend endpoints using MyGeotab SDK, integrating with the UI to ensure efficient data processing & real-time updates

SIRT Centre — May 2022 – August 2022
Software Engineer Intern
- Developed AR applications for iOS devices, applying best practices for 3D avatar manipulation
- Conducted research & tested emerging AR tools with Unity in C# & ARKit
- Authored detailed documentation outlining research findings & effective AR development techniques

PROJECTS

Personal Website Portfolio — *React, Vite, Tailwind, Git*
- Built a dynamic personal portfolio showcasing projects & professional experience

EDUCATION

Sheridan College — September 2019 – December 2023
Bachelor of Science in Computer Science
- Extracurricular: President of the Computer Science Club, Teaching Assistant, Recipient of Alumni Award of Excellence & Sheridan Student Union Academic Award of Excellence
- Graduated with High Honours Award, GPA: 3.93