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
- Spearheaded CI/CD pipeline migration from Jenkins to Azure DevOps using Docker and Kubernetes, transitioning 5+ microservices ahead of schedule
- Improved FreshCLI build times by 34% through effective environment variable management, enhancing microservices efficiency
- Designed modular Azure pipeline templates, enhancing code reusability and developer productivity
- Developed a custom Azure DevOps task for Code Climate, reducing duplication and streamlining cloud workflows

TD Bank   January 2023 – April 2023
Android Developer Intern
- Developed and maintained the TD Bank app using Java and Kotlin, creating responsive UIs with Jetpack Compose
- Enhanced app performance through asynchronous data retrieval and caching for REST APIs, achieving a 15% improvement in JSON loading times for responsive UI updates
- Collaborated with cross-functional teams in Agile, participating in ceremonies and updating the Product Owner

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