

Burhan Faquiri

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TECHNICAL SKILLS

Programming Languages: Java, Kotlin, Python, C#, JavaScript

Frameworks/Tools: Spring, Git, Azure DevOps, Gradle, API Development, Docker, Kubernetes, MS SQL Server, React, .NET Core

WORK EXPERIENCE

Centre for Applied AI & Naryant

January 2024 – April 2024

Software Engineer & Data Analyst Intern | Oakville, ON

- 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 | Toronto, ON

- 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 | Toronto, ON

- Developed and maintained the TD Bank app using Java and Kotlin, creating responsive UIs in 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 | Oakville, ON

- Developed a city maintenance website using React, integrating geospatial data analysis for the City of Kingston
- Executed geospatial queries in BigQuery to filter GeoJSON data, reducing query times for large regions
- Refactored backend architecture for scalability, enhancing API responsiveness and handling requests efficiently

SIRT Centre

May 2022 – August 2022

Software Engineer Intern | Toronto, ON

- Developed AR applications for iOS using Unity and C#, enabling immersive engagement with 3D avatars
- Researched AR libraries, documenting benchmarks that improved loading times by 3s for better user interaction

PROJECTS

World Cup Tracker — Spring Boot, Java, SQL, JavaScript

- Built a platform to manage and simulate 2018 World Cup team records, enabling users to dynamically modify team data and track performance throughout the tournament.

EDUCATION

Sheridan College

September 2019 – December 2023

Bachelor of Science in Computer Science | Oakville, ON

- 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