

Jahanzeb Khan

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Education

Toronto Metropolitan University – BEng in Computer Engineering

May 2024

Experience

Software Developer Intern, Canada Life – London, Ontario

Jan 2023 – Sept 2023

- Assisted with the integration of CI/CD pipelines with Jenkins and Git, improving deployment frequency and reducing downtime during system updates by 46%
- Refactored legacy codebases in C++ and Java, improving maintainability and reducing technical debt
- Improved API response times by 22% in the internal policy management system by optimizing SQL queries and database indexing, leading to faster data retrieval and enhanced system performance

Software Engineer Intern, Geotab – Oakville, Ontario

May 2022 – Dec 2022

- Implemented core features in Geotab's telematics platform using Java and Spring Boot, enhancing real-time data processing and vehicle tracking
- Collaborated with cross-functional teams to build data pipelines using SQL and Python, improving data accessibility and reducing data retrieval time by 43%
- Developed automated reports on fleet performance using Power BI, reducing manual reporting time and increasing operational insights by 27%
- Contributed to the development of cloud-native applications using AWS, increasing the reliability of vehicle data processing systems

Software Developer Intern, Canada Life – London, Ontario

May 2021 – Sept 2021

- Developed a Java-based automation tool, assisting employees in setting up their devices with required software programs resulting in configuration time being reduced by 32%
- Utilized Docker and Kubernetes to containerize applications and automate deployments, ensuring consistency across development and production environments
- Designed and implemented RESTful APIs to streamline communication between client-facing applications and backend systems, improving response times by 28%

Projects

PulseBot

- Developed a custom Discord bot using Python's discord.py library with commands, events, and tasks to automate server management, including custom status cycling and user interactions
- Implemented an efficient leveling system using sqlite3 to track user activity with experience points (XP) and automatic level progression, enhancing user engagement by providing visual feedback on level ups
- Incorporated Reddit API integration via praw to automatically pull and display trending posts

Music Library Management System

- Designed and implemented a relational database schema to manage music data, including tables for artists, albums, tracks, and genres, ensuring efficient data organization and retrieval
- Developed SQL queries to perform data analysis, including aggregate functions and joins, allowing users to retrieve detailed information such as top artists, popular tracks, and album statistics

Skills

Languages: Java, Python, C/C++, SQL, HTML, CSS, JavaScript, TypeScript

Frameworks: React, Node, Spring Boot

Tools: Git, Linux, Power BI, MySQL, Bash, Azure, PyTest, Jenkins