Assil Azim

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EDUCATION

York University   **Sept. 2017 – Sept. 2022**
Bachelor of Science in Computer Science [Honours Major]   *Toronto, ON*
- Vice President of Student Support Application Development Council
- Technical Director of York CSHub
- Web Developer for Google Developer Student Clubs

WORK EXPERIENCE

Signify   **Jan. 2023 – Present**
Software Engineer   *Mississauga, ON*
- Collaborated in a large team to design, develop, and maintain scalable enterprise application features for world-leading light technologies using **Java, Python, JavaScript, PostgreSQL** and **Linux**; followed **Agile** methodologies and conducted code reviews
- Led **REST** API design and implementation for lighting control system using **Java** with **Spring** framework. Extensive performance testing with **Postman**. Documented on **Confluence** for integration by external developers.
- Developed optimized batch version of a **JAVA API** endpoint to better fulfil BACnet queries, increasing requests from 30,000 in 1 second to 100, 000+ in milliseconds.

Signify   **Sept. 2022 – Dec. 2022**
Software Engineer Intern   *Mississauga, ON*
- Developed and implemented **Bash scripts** to automate and streamline the development process, improving efficiency
- Independently optimized user experience and performance of existing legacy product by designing and implementing full-stack components using **HTML**, **JSP**, **JSPF**, **CSS**, **JavaScript**, **Java**, **Shell Script** and **PostgreSQL**; conducted usability testing, and adhered to best practices to ensure code quality, maintainability, and scalability.
- Designed, implemented, and maintained essential databases for daily operations and deploying them to various sites

STL Trucking   **May. 2021 – Sept. 2021**
IT/Database Manager   *Bolton, ON*
- Created stable database system to optimize import/export load control. Tested database queries ensuring integrity.

Wing Machine   **Jan. 2017 – Dec. 2021**
Restaurant Manager   *Toronto, ON*
- Worked on development of online order software and UI increasing customer online orders and experience
- Ensured store was run efficiently, hitting sales caps and developing leadership & customer service skills

PROJECTS

Sealy Bot
- Discord chatbot developed with 20+ features acting as a centralized hub (e.g. return Google search queries, Reddit posts, Twitter feeds). Created with **Java, MySQL, Docker,** and various APIs

Three Musketeers Game
- Medium-sized development project based on famous video game Three Musketeers, through software requirements to **Java** implementation. Leading to further insight into **object-oriented programming**, **design patterns**, **polymorphism**, **inheritance**, **composition**, **dependency inversion**, and **single responsibility principal**

MyShoppingCart
- Developed **Java GUI Maven** project for grocery stores using the **MVC** model**.** Allowing better shopping experience for customers, better organization and inventory/location management for managers/admins. **Junit** test cases implemented to ensure reliable functionality, **JaCoCo** utilized to ensure high overall code coverage for test cases

SKILLS & INTERESTS

Languages: Java, Python, C++, JavaScript, HTML, CSS, SQL, Fortran, Shell Script
Tools & Frameworks: Git, Bitbucket, Sourcetree, Jira, VMware, PostgreSQL, MySQL, Docker, MongoDB, Angular, TailwindCSS, Junit, JQuery, Spring, Maven, Postman