Amir Mohamad

SOFTWARE DEVELOPER

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Education

York University   **Toronto, ON, CA**

B.A., SPEC. HONS. COMPUTER SCIENCE (SOFTWARE DEVELOPMENT)   *Sept 2019 - present*

- **Dean's Honour Roll:** 2 semesters
- **Courses:** Discrete Math, Advanced OOP, Data Structures, Design and Analysis of Algorithms, OS Fundamentals, Software Design, UI/UX

Experience

Caseware   **Toronto, ON, CA**

SOFTWARE DEVELOPER · JAVA, TYPSCRIPT, ANGULAR, SPRING BOOT   *May 2023 - present*

Tab2xml   **Toronto, ON, CA**

SOFTWARE DEVELOPER · JAVA, ANTLR, GRADLE, SWING   *Jan 2021 - Apr 2021*

- Lead a team of **3** developers implementing a **TDD** workflow for a **4** month course with the professor as the client.
- Built a unique prototype application that converts ASCII guitar, bass, and drum tablature to **MusicXML** using **Java**.
- Generated a parser using **ANTLR** to transform structured tablature **80%** more efficiently.
- Designed an intuative **UI** and helped implement it using **Swing**.

Jani King   **Hamilton, ON, CA**

COMMERCIAL CLEANER   *June 2016 - present*

- Helped manage a Jani King cleaning franchise with **5+** clients accross various industries while solving client's problems.
- Effectively **trained 2** employees on workplace communication, saftey, and best practices.
- Prepared employee work hours, tasks, and budgets for cleaning supplies.

Projects

YuCode   **amdevz/yucode** ○

JAVA, SPRING BOOT, DOCKER, APACHE KAFKA, POSTGRESQL   *onGoing*

Leety   **amdevz/leety** ○

JAVA, SPRING BOOT, GRAPHQL, DISCORD4J, POSTGRESQL

- Created a concurrent Discord bot for users to interface with LeetCode, YouTube API, and Spotify API.
- Queried LeetCode's **GraphQL** API to serve **2,000+** questions and solutions efficiently.
- Improved server engagement by **90%** using a custom LeetCode leaderboard system combined with music playback intergration.

Portfolio   **amdevz/amdevz** ○

JAVA, SPRING BOOT, POSTGRESQL, AWS   *onGoing*

- Designed a complete prototype **Figma** design using **UI/UX** principles to make development process easier.
- Built a custom **CMS** system to dynamically manage site content for my experience, projects, gallery, and blog posts.
- Integrated an end-to-end **CI/CD** pipline using **Docker**, GitHub Actions, and an aws **EC2** instance.

Codeboard   **amdevz/codeboard** ○

SOCKET.IO   *onGoing*

- A collaborative whiteboard to make solving programming problems intuative.

Skills

Languages	Java, Python, JavaScript, TypeScript, C, C#, HTML, CSS, SQL, Bash
Frameworks	Git, Angular (learning), React, React Native, Spring, Spring Boot, Node, GraphQL, Docker, Gradle
Database	MySQL, PostgreSQL
Spoken	Oromo (native), English (fluent)
Interests	Full Stack Dev, Sustainability, Education, Art, Design, Chess