FAISAL RABBANI

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EDUCATION

McGill University   **2018 − 2022**
BA - Maj. Software Engineering, Min. Computer Science, Min. International Development *Montreal, Quebec*

United World College Maastricht   **2016 − 2018**
International Baccalaureate - Scholarship   *Maastricht, Netherlands*

EXPERIENCE

Pleo ☑ | Software Engineer, Backend   **07/2022 - 11/2022**
- **Worked as a full-time Backend Engineer** for Copenhagen-based fintech unicorn Pleo in the Partnerships domain. My team was responsible for creating and maintaining our Open API and integrating our services with third parties.
- **Improved error tracing across all API endpoints** which led to improved bug battling efforts and a 90% decrease in errors across our endpoints in 3 months.
- **Developed an event reporting service** for our integrations microservice to generate business insights and throughput data for all integrations.
- **Developed a proof-of-concept SDK in C#** to help third-party clients integrate more easily with our services. This SDK is currently in use by a handful of beta customers.
- **Updated internal Swagger/OpenAPI documentation generation tools** to conform to the OpenAPI 3.0 specification, thus improving the quality of our API documentation and reducing the number of documentation-related support tickets.
- **Improved documentation standards** around legacy services and processes to help on-board multiple senior engineers
- **Resolved numerous production bugs** across our Kotlin and Typescript microservices and created design documents suggesting refactorings for code likely to be affected by future failure.

PROJECTS

GrowHome ☑ | Python, Django, SQLite, Apache, PayPal API, Ubuntu Server   **05/2020 - 08/2020**
- **Built a back-end proof-of-concept** for California-based startup GrowHome using the Python Django framework. The application, aimed at entrepreneurs in the MENA region, supported fundraising, messaging, and social networking features.
- **Developed a requirements document** explaining scope, defined models, objects, and requirements for the front-end engineer.

Colt Express ☑ | C#, .NET, Java, Unity Engine, SmartFoxServer, Microsoft Azure   **09/2020 - 04/2021**
- **Worked within a team of six over the course of a year** to develop an implementation of the board game Colt Express on top of Unity Engine.
- **Responsible for designing a networking solution**, ensuring data integrity between client and server, and administering Azure instance which hosted our lobby and game services.

Dune Sentiment Analysis ☑ | Python, BeautifulSoup, Twitter API   **11/2021 - 12/2021**
- **Worked to analyze audience sentiment** about the movie Dune a month after its release by collecting tweets from the Twitter API, developing an open coding categorization model, and identifying top relevant keywords by calculating TF-IDF scores.
- **Responsible for cleaning and categorizing dataset**, as well as conducting manual sentiment analysis and writing helper scripts to automate manual processes.

Altcoin Trading Bot ☑ | Python, AWS EC2, Binance API   **12/2021 - Present**
- **Developed a customizable trading bot** that automatically executes trades between Bitcoin and user-specified altcoins (non-BTC cryptocurrencies).
- **Deployed the bot on an AWS EC2 instance** and provided a publicly accessible endpoint which returns real-time performance data.

TECHNICAL SKILLS

Languages: Python, Java, C#, C, SQL, Bash, Kotlin, Typescript
Developer Tools: VS Code, GitHub, Intellij IDEa, Eclipse, Linux Command Line Tools
Technologies/Frameworks: Linux, GitHub CI/CD, Git, Postgres, DB2, Docker, AWS EC2, Azure, Django, RESTful APIs, Jupyter Notebooks, Gradle