Omar Elnagmi

Software developer, 5 years of (programming) experience, currently enrolled in High School and always willing to learn.

Residence: Milton, Ontario
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MC-Market: Scarger
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EXPERIENCE

Self-Employed, Remote — *Freelance Spigot and Discord Bot Developer*

February 2017 - PRESENT

- Worked on a wide variety of requests on sites such as MC-Market and SpigotMC. Have done recurring requests to those who enjoyed their service.
- Mainly worked on game-server plugins (Spigot, Bungeecord), small web apps (React, NodeJS) and Discord bots (NodeJS, Nyxx).
- Learned how to ensure code is production-ready, as well as implement new features and bug fixes in short spans of time.
- Hands-on experience working with real-world clients with diverse needs

3571 Mustang Robotics, Milton [Ontario] — *Lead Programmer*

November 2017 - PRESENT

- Hands on experience with robotics hardware
- Got an in-depth look on writing software that takes into account the constants of the physical world
- Knowledge on automation techniques
- Created and applied vision processing filters
- Experience with a multitude of last minute modifications during competitions, which may well be used in a production environment

EDUCATION

Milton District High School, Milton [Ontario] — *High School Diploma (French Immersion)*

September 2017 - June 2021

I'm currently enrolled in the school's French Immersion program, which is a continuation to the previous 8 years I've spent studying the language in elementary. I was also part of the Pre-AP stream (for Math and Science), which I was recommended for in 8th Grade.

SKILLS

Proficient Programming Languages: Java, Dart, Golang, JavaScript (including ES6+), HTML/CSS, Python, Processing, Kotlin, SQL, Groovy, PHP

Frameworks / Libraries: NodeJS (Express), Spring Boot, Discord API (discord.js, nyxx), Spigot (Bukkit & Bungeecord), Android, Flutter, Aqueduct, ReactJS, React Native (Expo), Arduino, Pygame, libGDX

Databases: SQL based (SQLite, MySQL, Postgre, etc.), MongoDB, Redis, Firebase (Firestore)

Dependency Management: Gradle, Maven, Pub

Continuous Integration: Jenkins, Travis CI, Gitlab CI

AWARDS

ETFO Math and Science Award (June 2017): Received for innovative *Genius Hour* project, creating a student-helper Android app which hooked into the Google Classroom API and assisted students with tracking their educational progress in one place.

PROJECTS

ReferME — *Spigot Plugin*

Spigot plugin which allows users to earn configurable rewards for referring others to a specified server. The plugin currently has over 230+ downloads.

This plugin is written in Java, using the Spigot API.

Link: https://github.com/scarger/ReferME &&
https://www.spigotmc.org/resources/referme.34668/

Halton Bus Tracker — *Mobile App*

App which aids students in tracking delays and cancellations for buses and other modes of transportation under the HDSB and HCDSB.

This mobile app is written in Dart, using the Flutter Framework.

Link: https://github.com/scarger/hsb-tracker-app &&
https://play.google.com/store/apps/details?id=io.github.scarger.bus.bustrackerapp

Speak Now — *Mobile App*

WON THE TRANSPOSIT API SPONSOR PRIZE @ HACKTHENORTH 2019

Project Information: https://devpost.com/software/speaknow

MDHS Mathematics Distinction Award (January 2018, 2019) Earned for completing MPM1D5 (as well as MPM2D5) with a final grade above 90%.

Canadian Intermediate Mathematics Contest – 2nd place (school, locally)

LANGUAGES

English – Native

Arabic – Native

French – Studying in a French Immersion Program (currently enrolled for 10+ years).