Bilal Khawar

iOS Engineer & Web Developer

WORK EXPERIENCES

iOS Developer
Audiobooks.com
July '18 - Present

Sole developer for the RBdigital iOS application with 54K daily active users. Added **multilingual support** for the app. Fixed many reoccurring bugs which led to an increase in user retention and daily user engagement. Built an **in-app browser** for an American subscription streaming service.

iOS Developer
EcoBin
Jan '18 - Apr '18

Developed an iOS application for the EcoBin Smart-Composter. Enabled communication of temperature readings from the Arduino to the mobile app via the **Core Bluetooth** framework. Implemented remote notifications to alert users of the composting process through the **Push Notification service**.

Web Developer & Systems Analyst
McMaster University
Jan '17 - Dec '17

Created a mobile-friendly and responsive web application using **Laravel** and **PHP**. Followed the **MVC** architecture. Designed and setup a **relational database** (MySQL) for the website. Used **Bootstrap**, **Javascript** and **jQuery** to develop front-end features. Implemented **authentication** and routed users according to their ranks.

iOS PROJECTS

BearStacks Development

Co-founder of BearStacks Development. Helped launch four iOS applications on the App Store.

Scientific Calculator Pro*

Implemented a stack-based algorithm for parsing mathematical expressions. Used Size Classes.

Type Fighter*

A typing game that utilizes SpriteKit for game objects and GameKit for global leaderboards.

Find My Country*

A geography game programmed in Objective-C, using a third party library (WhirlyGlobe-Maply).

Numtate*

A puzzle game that uses UIKit Animations.

AR Drawing

A 3D drawing application that uses SceneKit objects to construct an Augmented Reality scene.

GitHub Commits

Uses Core Data to fetch and store GitHub commits.

* Currently on the App Store

SKILLS

Proficient in **Swift**, **Objective-C**, **Java**, **C**, **C++**, and **Python**

Skilled in **iOS App Development**

Experienced in Full-Stack Web Development (**Laravel**, **PHP**, **React**, **Javascript**, **ES6**, **jQuery**, **Ajax**, **Bootstrap**, **HTML**, **CSS** and **MySQL**)

Good understanding of computer **data structures**, **algorithms**, and **software design patterns**

Knowledgeable in **Object Oriented Programming**, **Test-Driven Development** and **Agile Manifesto**

Familiar with **MATLAB**, **AutoCAD**, **SolidWorks**, and **Microsoft Excel**

EDUCATION

McMaster University
Sep 2011 - Present

Bachelor of Engineering, Electrical

AWARDS

Certificate of appreciation from the Government of Canada
Awarded for contribution to community

Most Valuable Player (Cricket)
Awarded for leadership and outstanding performance for the senior cricket team

CONTACT

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