Bilal Khawar

iOS Developer & Software Engineer

WORK EXPERIENCES

iOS Developer
Audiobooks.com
July '18 - Present

Sole developer for the RBdigital iOS application with 54K daily active users. Added multilingual support through **localization**. Built an in-app browser for Acorn TV using **WebKit**. Initiated **continuous integration** practices in order to simplify and streamline software processes for engineers. **Redesigned** the app and **improved performance** which led to an increase in customer acquisition and user engagement.

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.

* Currently on the App Store

SKILLS

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

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**

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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