ANGEL SINGH

SOFTWARE ENGINEER

CONTACT INFO:

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GitHub: github.com/aenxso
Vancouver, Canada

LANGUAGES:

Proficient: C++
Previous Experience: Swift, Java, Kotlin, C, SQL, Ruby, React, Haskell

OS:

Windows, macOS, Linux, Kali Linux

NETWORKING:

TCP/IP, UDP, HTTP, HTML/CSS

TOOLS:

Visual Studio, Xcode, Android Studio, Git, Jira, QT Creator

TECHNICAL WORK EXPERIENCE

Systems Engineer (Intern)

Avigilon   *Sep 2016 - May 2017*

- Performed a series of verification tests on company products to identify performance bottlenecks and ensure functionality is as expected
- Designed high and low-level test plans to target specific performance bottlenecks, hardware, and network constraints
- Discussed and implemented product design changes in a team to improve functionality of products by 20%-60%
- Responsible for creating concise technical documentation of test results and presenting data to management
- Implemented and followed agile workflow procedures for every project using Atlassian tools

SOFTWARE PROJECTS

Windows Bluetooth LE Widget

- Created a widget to run on Windows which scans for Bluetooth Low Energy devices and returns their characteristics
- Developed using Qt Creator and Qt Design Studio, programmed with C++, implemented using appropriate design patterns
- Designed a GUI which allows users to start or stop a scan, view found devices, or quit application

Android Weather App

- Developed an Android weather app using Kotlin which allows users to use their location or search for a city to get the corresponding current weather
- Obtained weather updates via REST API calls using Retrofit 2 to retrieve and parse JSON
- Used the Resource Manager to import and set a custom icon and background, as well as vector images which change depending on the weather to create a visually pleasing UI

Stock Notification Web App

- Developed a web app in a team of four using Ruby on Rails which allowed users to create an account and select shares they wished to receive price change notifications about
- Implemented email/SMS notifications and authentication functionality using gems to allow users to create a secure account while using a clean UI
- Used GitLab for version control

ACADEMIC EDUCATION

Simon Fraser University

Bachelor of Science, Major Software Systems   *Oct 2019*

- Programming Coursework: Algorithms and Data Structures, Networking, Operating Systems, Databases, Software Testing, Web Service Systems