

Cumar Yusuf

B.Sc. Computer Science

Computer Scientist | omar221@windowslive.com

PERSONAL SUMMARY

An enthusiastic and motivated individual who has developed key skills in a variety of areas within the field of Computer Science. I aspire to lead innovative projects and advance the tech development ecosystem. Over the past years of my education and career, I have had the opportunity to be involved in a broad range of projects with a strong diversity in development, design, prototyping and testing various applications.

TECHNICAL STACK

PROGRAMMING LANGUAGES/Frameworks/CLOUD SERVICES:

Java, C, C#, .NET, C++, Swift, JavaScript, Python, NodeJS, HTML5, CSS3, jQuery, React, Angular, Express, Google Cloud, Firebase, AWS, Azure & IBM

OPERATING SYSTEMS/DATABASES:

Linux, Unix, Windows, Android, iOS, MYSQL, MSSQL & Mongo

TOOLS & APPLICATIONS:

Abode Suite, Eclipse, Git, Visual Studio, Android Studio, XCode and Scrum

AREA OF EXPERTISE

- Problem Solving
- High Level Programming
- UI/UX Design
- Low to High Fidelity Prototyping
- Database Management
- Algorithms

EXPERIENCES

FREELANCE DEVELOPER:

June 2018 - Current

Upwork, Toronto

Designed for India – Web Design and Development

- Designed and developed animated responsive website with horizontal smooth scrolling and animations

Stack: MacOS, NodeJS, CSS3, ExpressJS, HTML5L, ReactJS, Firebase

Link: <https://designed-for-india.firebaseio.com/>

iOS Development

- Implemented prefetch algorithm to smooth scroll media assets
- Implemented 3D touch feature to peek and pop profile details for selected profile row

Stack: Xcode, MacOS, Swift4

Python Programming – Mapbox Project

- Converted excel spreadsheet data into JSON format
- Used Google Geocoding API to convert address into coordinates

Stack: MacOS, Python, Google Cloud, Mapbox API

FULL STACK DEVELOPER:

June 2017 – September 2017

Wellness Computational, Calgary

- Developed modules to fetch and format data from various RDBMS
- Performed number of data migrations for test purposes
- Converted PDF reports to JSON format
- Incorporated multithreading and job queue scheduler to process multiple tasks quickly and efficiently

Stack: Python, Django, Linux, MSSQL, AJAX, CSS3, HTML5

SELECTED PROJECTS

MOBILE DEVELOPMENT

Dodge Wood – iOS Game App

- Single level 2D game app running on iPhone and iPad
- Used Apple's SpriteKit Game Engine
- Facebook SDK integrated for leaderboard
- Included music, sound effect, touch/tilt movements, score count, enemies, collision detections, main menu, settings and in game power packs

Stack: MacOS, Xcode, Swift3, SpriteKit, Facebook API

WEB DEVELOPMENT

Chat Application – NodeJS Web App

- Realtime private and public chat rooms
- Able to see online users and chat with them
- Able to send text, images, GIF, geolocation and emoji

Stack: Windows, React JS, Meteor, MongoDB, NodeJS

SOFTWARE DEVELOPMENT

Alarm Clock – WPF/Xamarin Desktop and Mobile Application

- Followed Scrum Methodology throughout development cycle
- Basic alarm clock to add, edit, remove alarms for any day
- Digital and Analog clock
- Data of all alarms were persisted

Stack: Visual Studio, Windows, C#, .Net, WPF, XAML, UWP, Xamarin

EDUCATION

BACHELOR OF SCIENCE IN COMPUTER SCIENCE:

University of Calgary

- Undergraduate Degree. Class of 2017
- Major in Computer Science
- Relevant Courses: Advanced iOS Development, Computer Networks, HCI, Physical and Tangible HCI, Software Engineer, Web Based Systems

RELEVANT LINKS

GitHub Repository: <https://github.com/Cumar221>

My Website: <https://www.cumaryusuf.com>

LinkedIn: <https://ca.linkedin.com/in/omar-yusuf-51048b113>

Upwork: <https://bit.ly/2z1yvyD>