

Hassan Sharif

SOFTWARE ENGINEER

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Education

Howard University

Washington, D.C.

B.S. IN COMPUTER SCIENCE

Aug. 2014 - Aug. 2018

- Relevant Course Work: Machine Learning, Data Structures, Computer Science III, Large Scale Programming, Theory of Computation, Computer Organization II, Game Development, Technical Writing

Skills

Programming C#, Python, Swift, Objective-C, JAVA, Javascript, HTML5, CSS3

Database mySQL, MongoDB

Tools Git, JIRA, Eclipse, Visual Studio, Unity, Xcode, XCTest, Docker

Web AngularJS, ReactJS/Redux, Node.js, ASP.NET Core, AWS

Experience

Jumpbutton Studio

Philadelphia, PA

SOFTWARE ENGINEER

July. 2016 - PRESENT

- Lead iOS development for 3 mobile games using Swift, Cocos2d, and Xcode, Unity, C#:
 - Last Line of Retreat
Focused on UI/UX components and behaviors in addition to touch-swipe features for character control
 - Puck Slide / Rainbow Hippie 2
Created cross-platform ports for both titles from Android to iOS
- Worked closely with other developers, artists, designers, and project managers in an agile fashion

Amazon

Robbinsville, NJ

ASSISTANT MANAGER

May 2015 - Aug. 2015

- Aided in supervising the floor
- Assigned daily roles at stand-up
- Met daily benchmarks and exceeded production pace
- Filled in where needed during peak volume

Recent Projects

Crypto Feed

[HTTPS://GITHUB.COM/MKHSHARIF/CRYPTO-FEED](https://github.com/mkhsharif/crypto-feed)

2019

- Created an app that allows users to select their favorite cryptocurrency pairs and track them in real-time using Binance's API endpoints
 - Each pair that is selected by the user is saved into a TableView, NSFetchRequest then updates pair data every 5 seconds
 - Crypto feed includes a WKWebView of your pair's chart which allows the user to visualize the price, percent change, and volume of the currency
- Tools: Swift, Xcode, XCTest, Core Data

Chat-IO

[HTTPS://GITHUB.COM/MKHSHARIF/CHAT-IO](https://github.com/mkhsharif/chat-io)

2019

- Created a public and private messaging application for web
 - Chat-IO uses web sockets to establish a connection between clients and send their message through a designated channel
- Tools: HTML5, CSS3, Javascript, NodeJS, Socket.IO

PDFify

[HTTPS://GITHUB.COM/MKHSHARIF/PDFIFY](https://github.com/mkhsharif/pdfify)

2019

- Created a document scanner app that allows users to snap a picture of any document and transform it into a scanned PDF version
 - The PDF is rendered using OpenCV on an EC2 server then sent back to the client
- Tools: Swift, Xcode, Python, OpenCV, Flask, AWS