

Helal Chowdhury

Full Stack Software Engineer – 5 iOS Apps Published on App Store

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EDUCATION

New York University, Tandon School of Engineering

Computer Engineering B.S. | GPA: 3.5

Coursework: Data Structures · Algorithms · Object Oriented · Databases · Operating Systems · Computer Architecture

Brooklyn, NY

Expected: May 2021

SKILLS

Programming: *Proficient:* Python · C++ · Swift · C | *Familiar:* Java · MySQL · HTML/CSS · JavaScript · Angular · Flask

Software: Jenkins · IBM Watson · Google Firebase · TensorFlow · Kubernetes · Microsoft Azure · AWS

EXPERIENCE

Bloomberg

Software Engineer

New York, NY

Feb. 2021 – Present

- Awaiting start date on February

Capital One

Software Engineer Intern

New York, NY

Jun. 2020 – Aug. 2020

- Develop an iOS app with **SwiftUI** to store a registry of 1000+ Deeplinks with User Authentication and storing data with **AWS**
- Program featured tests in **Typescript** for Capital One's flagship apps in order to decrease task execution time by 20% as of 2019
- Build Deeplink Registry website using **Angular** and create automated unit tests for each feature with 98%+ coverage with **Jasmine**
- Parsed json test results from Jenkins and made **RESTful Requests** in **Python** scripts to keep track of status history on **Google Firebase**
- Utilized **Slack API** and **Trello API** to build a Slackbot using **Node.js** which provides details on Deeplinks in Capital One's myriad apps

NYU IT – Innovations Team

Lead Software Developer

Brooklyn, NY

Apr. 2019 – Jun. 2020

- Program 60+ Arduino's and sensors with **C** for large-scale projects to be used in NYU to help with library resource accessibility
- Create efficient scripts using **Python** to acquire data from Arduino's and use **REST API** monitor software usage and status condition
- Build status monitoring webpage using **Angular** and **Typescript** to track the status of Arduino's in the system with 85% reliability
- Develop iOS apps in **Swift** to allow NYU students to view all the services available in the library and view available rooms for booking

Barbarian

Software Engineer in Test

New York, NY

Jun. 2018 – Aug. 2018

- Deployed test runs of websites for 10+ clients such as Samsung and ABInBev using **Jenkins** to ensure proper functionality
- Automated application testing programs using **Java** that run on 5+ webpages at a time to detect front-end and back-end errors
- Identified the type of software issue and delegated tasks to the appropriate teams to fix bugs by communicating through **Jira**

PROJECTS

Journal Wave Application – (Published on App Store)

Aug. 2020

- A journal **iOS app** to keep track of memories throughout the day with features to dynamically search, edit and delete journals
- Built using **SwiftUI** for the frontend functionality and **Firebase** to store the journal and user entry data in the backend with **REST API**
- Complete user authentication and verification with email notifications and account confidentiality for secure accessibility to journals

Seedit Application

Mar. 2020

- A platform for startups to pitch their business ideas for investors to view and invest in companies while tracking company growth
- An **iOS app** which manages secure transactions through **Stripe API**, and video/messaging communication with CEO's and investors
- In process of releasing on the app store and reaching out to 30+ startups and 100+ potential investors in NYC to kickstart the app

AWARDS

OpenHacks Hackathon

May. 2020

Best Presentation | Published App | 800+ Competitors Globally

iOS · Apple Maps · User Authentication · Firebase

JP Morgan Code For Good

Sep. 2019

1st Place | Internship Offer | 140+ Competitors

iOS/Android · Apple Maps · Hangouts API · IBM Watson

New York University Hackathon

Mar. 2020

1st Place | \$200 and Oculus Go | 340+ Competitors

iOS · Stripe API · Google Firebase · Speech Recognition

IBM Code And Response

Sep. 2019

1st Place | Trip to Scotland | 30+ Teams

iOS · IBM Machine Learning · Firebase · Google TensorFlow

Estée Lauder Hackathon

Oct. 2019

1st Place | \$7500 | 36+ Teams

iOS · Microsoft Azure · Firebase · IBM Image Recognition

Cornell University Hackathon

Aug. 2019

1st Place | \$1000 | 320+ Competitors

iOS · Apple Maps/Calendar · IBM Watson · Google Cloud