Yasin Ehsan

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SKILLS

Languages *Proficient* JavaScript(5yrs) · Java(4yrs) · Python(3yrs) · Swift(3yrs) *Intermediate* SQL(1yrs) · C++(2yrs) · PHP(<1yrs)
Software React · Typescript · AWS · GCP · Docker · Kubernetes · TensorFlow · JupyterNotebook · iOS · Bootstrap · Git · Bash

EXPERIENCE

Software Engineer *(Backend/APIs)*   **Aug 2020 - Present**
CAPITAL ONE   *New York, NY*
- Creating 3+ API endpoints for flagship AI reducing costs for the platform's 13B+ replies on email/text/web
- Building in Python and Typescript aggregating data from internal APIs triggering scripts using AWS Lambda
- Led all SRE efforts during 2-week Christmas holidays overseeing $200,00+ in AWS spend of 10+ ML services

Software Engineer *(Full-Stack)*   **Oct 2019 - Present**
CHRONO GROUP   *New York, NY*
- Building 4+ full-stack solutions with payment walls for mom-and-pop businesses increasing SEO by 90+%
- Completed 3,342 lines of code in ReactJS, NodeJS on GCP, AWS for secure blog-admin and client dashboard
- Leading architecture decisions for SAAS products/B2B projects and working with 3 developers and 1 intern

Web Bootcamp Fellow *(Full-Stack)*   **Apr 2019 - May 2020**
CUNY TECH PREP   *New York, NY*
- Selected for a full-stack JavaScript program as one of 100 fellows out of 400+ applicants
- Developed and learned MongoDB, ExpressJS, React, NodeJS + best practices from design to deployment
- Leveraged knowledge: Git workflows, testing, CI/CD, agile development, MVC pattern, APIs/Microservices

Software Engineering Intern *(iOS)*   **Feb 2019 - Aug 2019**
CAPITAL ONE   *Dallas, TX*
- Built 5+ iOS features pushed to production resulting in $1 million+ in auto- loans within 8 weeks of launch
- Developed geo-fences on map around bookmarked cars which trigger local notifications when breached
- Created an algorithm in Swift to optimize user movement; a solution around Apple's location limitations

Student Innovator *(Cloud)*   **Apr 2019 - Jun 2019**
GOOGLE   *New York, NY*
- Spearheaded cloud workshops on compute/storage/databases as part of 200 ambassadors nationwide
- Distributed $15,000+ computing credits to 300+ students/professionals on open-source and agile apps

iOS Bootcamp Fellow *(iOS)*   **Jun 2018 - Aug 2018**
CODEPATH ORG   *New York, NY*
- Developed 5 iOS apps using REST APIs, Cocoa Touch UI framework, and various third party libraries
- Built personal iOS app from designing Wireframes and User flows, to implementing UI and Firebase back-end

PERSONAL PROJECTS

Robinhood Automate Trades / ML Bot *(~30 hours)*   **Jun 2020 - Aug 2020**
- Used AWS to deploy Python bot to buy/sell stock using sentiment from REST APIs on news and FDA approvals; experimenting with Tensorflow neural networks to predict stock prices based on 200- 20 day rolling averages

COVID-19 Grocery Delivery / Published iOS App *(~80 hours)*   **Mar 2020 - May 2020**
- Used **Swift** to design singleton and MVC patterns to serialize and deserialize grocery lists between neighbors, local observers to trigger data changes between views, and global observers for real-time database snapshots

Public Wi-Fi Visualization / Open-Source Tool *(~40 hours)*   **Jan 2018 - Mar 2018**
- Used Python to create geo-tracker feature that enabled users to locate up to 3,013 public Wi-Fi spots in real-time by leveraging NYC Open Data web hooks; Published code on open source library maintained by Cross Compute

HACKATHON 1ST PLACES

1st Place NYU / Best Design by Facebook / Best startup idea *390+ UG Students* | *My Linkedin Post (80K+ views)*   **Mar 2020**
- *Problem addressed* : raise capital for small businesses from everyday retail investors for equity
- Built real-time payments using Stripe API which can be used from Apple wallet / Apple watch

1st Place Estée Lauder / Prize : $7,500 *270+ UG and Professionals* | *Final Pitch Youtube*   **Oct 2019**
- *Problem addressed* : recycle makeup bottles and redeem points for 35+ Estée sub-brands' products
- Created back-end communication on Google Cloud between B2B Store Kiosk App and B2C User App

1st Place Cornell / Prize : Dine with Bill Clinton in Scotland *320+ UG Students* | *Featured IBM Blog*   **Sep 2019**
- *Problem addressed* : connect NGO events with bachelor/bachelorette volunteers for Hurricane Harvey
- Developed asynchronous listeners that trigger push notifications when in 200 meter radius of NGO event

EDUCATION

Queens College, City University of New York (CUNY) B.A. in Computer Science   **Graduated Aug 2020**
Facebook Above & Beyond CS (Coding interview prep)   **Jun 2020 - Aug 2020**