OMAR ALHAIT

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Experience

*Full-Stack Software Engineer, **Prospect Medical Group***   December 2020 – Present
- Aggregated data from all Prospect transfer pipelines into Enterprise File Transfer web app, streamlining monitoring of all Prospect data flow from high-priority Covid-19 data to daily Extract, Transfer, Load jobs (**React, Redux, MySQL, Azure, Grafana**)
- Utilized Azure Data Factory to refactor a ETL pipeline system for data transfer amongst Prospect hospital network and related vendors. Revamped pipeline creation process by deploying a set of pipeline creation templates (**Azure Data Factory, MySQL, Windows, .NET**)
- Assembled and managed team of 3 direct reports to iterate pipeline development and maintenance after templating pipeline creation (**Jira, Confluence**)
- Overhauled Prospect's existing CRM solution by combining a web interface of Prospect's Five9 Call Center with a suite of custom built patient management tools in an all-access web application for secretaries and managers to use daily (**Node.js/Express, TypeScript, Azure**)

*Lead Software Developer, **Zine** (formerly Savvi)*   May 2019 – Nov. 2020
- Designed and developed Zine: Android & iOS community-centric application aimed at offering tailored advertisements to fashion consumers and establishing a communicative medium between brand creators and consumers. (**React Native, Firebase, Objective-C, Java, NoSQL**)
- Led the engineering team in the development of a mobile DevOps application pipeline. Created an automated test suite packed with unit tests to verify build status (**Git, Linux, Jenkins, AWS, Jira**)
- Leveraged Google Cloud Platform to create a scalable content management system to filter spam and graphic content out of Savvi (**Google Cloud, Amazon S3**)

*Software Development Engineer (SDE) Intern, **Amazon Web Services***   May – Aug. 2018
- Developed and tested Pause/Resume API to prevent EC2 Server Migration Service (SMS) customers from losing data when replication jobs fail, reducing 20% of bandwidth necessary for SMS (**Java, AWS**)
- Constructed SMS dashboard to allow on-call engineers to diagnose client issues 70% faster (**HTML/CSS/JS**)
- Built scripts into dashboard to make adding newly developed metrics and regions effortless (**Python**)

*Member of Technical Staff (MTS) Intern, **Nutanix***   May – Aug. 2017
- Implemented a tester-oriented version of Nutanix's V3 REST API for writing efficient tests (**Python 3**)
- Utilized V3 API to produce automated test suite and display run results on TVs in office (**Python, Django**)

Education

- Carnegie Mellon University   Pittsburgh, PA Spring 2019
  - Bachelor of Science in **Electrical & Computer Engineering** | Minor in **Machine Learning**

Projects

G-LOCK (**C, Python, TensorFlow, React Native**)
- Implemented a fully autonomous, motion-triggered, facial recognition door lock system
- Fine-tuned 3-hidden-layer neural network to verify house inhabitant faces in real time

PictoCal (**Android/Java, TensorFlow, Google Cloud Vision API**)
- Paired Google Cloud Optical Character Recognition with a TensorFlow neural network to extrapolate relevant info from a flyer into a Google Calendar event in one click

nftnews.fyi (**Node/Express, chart.js, Firebase**)
- Cultivated news aggregator web application to stay informed on non-fungible token trends

Skills

Languages: JavaScript, TypeScript, Python, HTML/CSS, Pug, Java, C, Golang, Objective-C, SQL, Git
Services: React, Firebase, Node, Express, MySQL, NoSQL, Linux, Azure, AWS, GCP, TensorFlow, Jenkins, Django