

# Abraham Fong

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I am a fast-learning software engineer with a go-getter attitude. I have proven professional experience outside of my university studies as a part of software engineering teams in both Start-up and Fortune-50 companies.

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## EDUCATION & CERTIFICATIONS

**University of Texas San Antonio, B.S. Computer Science** August 2017 - May 2020

**AWS Certified Cloud Practitioner** April 2020 - April 2023

## PROFESSIONAL EXPERIENCE

### Software Engineering Intern - The Walt Disney Company

Orlando, FL — Disney Parks and Products | January 2020 - May 2020

- Worked on projects related to Cloud and Site Reliability Engineering. Tasks included developing and exposing serverless microservices as AWS Lambdas with APIGateway, automating a variety of tasks in cloud environments using Python, Bash, and Golang.
- Developed automated Python scripts that found, renewed, and validated server certificates from 97,000+ cloud environments, saving the dev-ops department hundreds of hours of tedious manual searches.
- Developed microservices using Golang connected to a MySQL database, and securely exposed it through a client-facing UI developed using NodeJS. This project eliminated the need for manual database inserts by the dev-ops team resulting in freed up resources, saved time, and eliminating human error.
- Developed a serverless application using Golang, AWS Lambda, and ServiceNow API to automate the manual process of creating, approving/denying, submitting, and closing change requests for production-ready deployments. This application eliminated the need for manual change request submissions, increased development team independence, and maximized compliance of company wide change request procedures.

### Software Engineering Intern - Charles Schwab Corporation

Austin, TX — Schwab Technology Services | June 2019 - August 2019

- Developed an automated testing framework with dynamic versioning using C# for testing across various application versions. This framework aided our mobile development team by running on our CI/CD pipeline on a customizable schedule, saving them time from testing and maintaining uptime for our most crucial services.

### Full Stack Developer - Parlevel Systems Inc.

San Antonio, TX | October 2017 - May 2019

- Upgraded a supply management module in Laravel/PHP, AngularJS, and a MySQL database to include functionality to serve multiple warehouses for clients with 10,000+ locations serviced by more than one location.
- Automated a system that created product order schedules, transferred products from supplier to company warehouses, loaded delivery trucks, and auto-generated reports that provided increased inventory transparency.

## PROJECTS

### 1st Place Overall @ RowdyHacks Hackathon 2019

Amazon Alexa + Wearable Device - iHeartMedia API Challenge

- I developed a serverless application to connect to the iHeartMedia API via an Amazon Alexa voice command. I also developed a Python script to parse the JSON results, connect to an active radio stream, and send the resulting radio feed to our hardware peripherals.

## TECHNICAL SKILLS

### Programming Languages

- Python
- Golang
- Java
- C#

### Web Development

- Laravel/PHP
- Java Spring
- ASP.NET
- AngularJS
- NodeJS/Express
- Django
- Javascript

### Databases

- PostgreSQL
- MySQL
- MongoDB
- NoSQL

### Dev Ops

- Docker
- AWS Lambdas
- AWS APIGateway
- AWS Secrets
- AWS Elastic Containers
- Gitlab / Github + Jenkins

### Relevant Coursework:

- Analysis of Algorithms
- Application Programming
- Artificial Intelligence
- Bioinformatics & Big Data
- Computer Architecture
- Cyber Operations
- Cyber Security Principles
- Data Science
- Data Structures
- Discrete Mathematics
- Operating Systems
- Software Engineering
- Linux Programming

### Languages

- English (Fluent)
- Spanish (Fluent)

### Soft Skills

- Activating leadership
- Team minded player
- Emotionally intelligent