

# Michael Scales

Software Developer

(210) 8449932  
michael.scales88@gmail.com

## EXPERIENCE

### Amazon Web Services, Seattle WA — Software Development Engineer — January 2019 - Present

*November 2019 - Present:* Silk Infrastructure Team

Responsibilities: Support organization client engineering teams through productivity tools, testing, and automation. Implemented an upgraded distributed compiler system for organization developers, improved container orchestration for existing systems, and created team/organization workflow improvements/automations. Primarily writing Bash, Golang, Python, and TypeScript.

Technologies: Android SDK, Buildbot, Bazel Buildfarm, Docker, Quilt, AWS CDK, AWS Fargate, AWS CloudFormation, AWS Elasticache

*January 2019 - November 2019:* Silk Client Engineering Team

Responsibilities: Developed and Uplevelled core browser code as part of a team supporting other client engineering teams. Worked on initiatives to improve team automation. Primarily writing Bash, C/C++, Python, and Android/Java. Technologies: Android SDK, Blink Rendering Engine, Ninja

### Texas State University, San Marcos TX — Web Developer — May 2018 - December 2018

Responsibilities: Developed web tools for school administrators and faculty. Automated the code testing, staging, and deployment for the development team; converted existing projects to container-based architecture. Developed in Angular 5 with Flask Python backend, SQLAlchemy, JWT based authentication, and deployed with Docker Swarm.

### mindWireless, Austin TX — Software Developer — June 2014 - December 2018

*January 2016 - December 2018:* Software Developer & Consultant

Responsibilities: Developed and maintained a Python web application which supported reporting workflow automation used by help desk client managers and salespersons.

*June 2014 - January 2016:* Key Account Manager

### U.S. Navy, Guam USA — Machinist Mate Nuclear/Submariner/E6 — February 2008 - February 2014

Machinist Mate Nuclear, Submarines, Ship's Diver, Engineering Laboratory Technician, Nuclear Propulsion

## EDUCATION

Texas State University, San Marcos TX — BS Computer Science, Minor in Applied Mathematics  
GPA: 4.0 (TX State) / 3.94 (Overall), Organizations: CS Club (EXE)

Austin Community College, Austin TX — Associates of Science in Computer Science  
GPA: 3.9

## PROJECTS

Github: <https://github.com/michaelscales88>

### Reporting Tool

<https://github.com/michaelscales88/pythonreportingapp>

Web application for generating reports for help desk client managers and salespersons.

Technologies: Docker, JQuery, Flask Python, and SQLAlchemy.

### Irrigation Site

<https://github.com/michaelscales88/irrigationsite>

Single page application, rendering embedded systems data with JWT based authentication. Developed for a TX State EE project class.

Technologies: Python, Bash, Power BI

## ADDITIONAL TECHNOLOGIES

Client Frameworks: Angular 5, Buildbot, Webpack, JQuery, Jinja2/HTML/CSS/Bootstrap

Server Frameworks: Flask/SQLAlchemy, Revel/GORM, Spring Boot, NodeJS, Express

Datastores/MQ: MySQL, PostgreSQL, SQLite, RabbitMQ  
OS: RHEL/Debian/\*nix, OSX, Windows

Containers: Docker/Compose/Swarm, Kubernetes

Tools: Ansible, Git, GNU Toolchain, Ninja

## AWARDS

Texas State: President's List, Honor Society of Phi Kappa Phi

Austin Community College: President's Honor Roll, Scholastic Excellence Award

U.S Navy: Naval Achievement Medal x3, Meritorious Unit Commendation, Good Conduct Medal