Martin Smith Backend Engineer

San Francisco, CA | (415) 371-9027 mcodesmith@gmail.com
Github: Ostoyae | **LinkedIn**: Rustyboy | **Website:** msmith.online

SKILLS

- **Languages:** Rust, Python, C, Ruby, Javascript, BASH, HTML, CSS, PHP
- **Frameworks & Libs:** Flask, Actix, SqlAlchemy, Diesel, Rails
- **Databases:** MySQL, ArangoDB
- **Tools:** Git, Docker, Nginx, Vagrant, *nix, Windows

WORK EXPERIENCE

Crowdability, Backend/DevOps Contractor   **Oct 2020 - Present**

Providing backend and DevOps support for Crowability, an education platform for individual investors

CG Generalist, Contractor   **2011-2017**

Worked on a series of contract jobs as a CG generalist, ranging from short films to indie game projects

EDUCATION

Holberton School of Software Engineering   **2018-2020**

Professional certificate: Full-stack Software Development

Gnomon School of Visual Effects   **2010-2012**

Professional certificate: 3D modeling and Texturing

COURSE PROJECTS

Final Project: ideaDog (backend, ideadog.site)   Link to GitHub

Social platform where people can share their ideas and crowdsource feedback

- Architected & lead developer for back-end services including APIs for frontend service to consume
- Coordinated with front-end to design the models/schemas
- Design graph relationships between documents for Arangodb. Tech Stack: Rust, NoSQL, ArangoDB, AWS

Airbnb Clone: (HBNB Airbnb)   [Link to GitHub](#)

Multi-month partner project that required recreating the search and filter functionality for a Airbnb clone
- Developed REST APIs for Users, Places and Reviews following MVC Architecture
- Wrote static contents to Linux VM/NGINX web server with Python using Fabric module
- Developed a console interpreter connected to local file storage and online database (MySQL) for object creation installation and JSON serialization.
- Tech Stack: Python, Flask , JavaScript, MySQLSql, Alchemy, Docker, Nginx, Git

Simple Shell: repo   [Link to GitHub](#)

Final project for the lower level section (C) at Holberton School; a partner project to replicate a shell
- Developed command line interpreters in C which can set up the runtime environment to run a set of simple shell commands.
- Implemented operation that processes a user's commands additionally, handles command arguments by dynamically allocating memory to store, split and tokenize user input.
- Tech Stack: C, Bash, Linux, Git

Hackathon project: Spade fish   [Link to GitHub](#)

Spade Fish is a platform where Github users can see a visualization of their most used coding languages
- Architected data-models, API gateway for the front-end and backend services in Python
- Implemented Github client to request and process data to generate the metric values.
- Tech Stack: Python Flask, JavaScript, Docker, Github api