

Jack Fordyce

319 Peachtree St
Nashville, TN, 37210

(712) 292-8691

jackmitchellfordyce.com

<https://github.com/jackmford>

EDUCATION

Bachelor of Science, Buena Vista University, Storm Lake, IA
Graduation Date: May 2020

Major: Computer Science
GPA: 3.75 Magna Cum Laude

TECHNICAL SKILLS

- Python, Golang, Typescript, SQL, Ansible, JavaScript, NextJS, HTML, CSS, Bash.
- Experience with Flask, Caddy, Nginx, Git, AWS CDK, Digital Ocean, Dynatrace, AWS Cloudwatch, Prometheus, Grafana, Alertmanager, ELK.

WORK EXPERIENCE

Software Engineer (SRE), Principal Financial Group, Des Moines, Iowa **July 2022-Present**

- Collaborating with teams across the company to drive service level objective adoption and site reliability engineering best practices.
- Building out monitoring-as-code solutions in AWS Cloudwatch, Dynatrace, and Nobl9.
- Assisting in establishing reliability and observability enterprise standards.

Software Engineer, Principal Financial Group, Des Moines, Iowa **May 2020-July 2022**

- Focused on furthering the automation surrounding the API gateway space at Principal.
- Used Ansible and Python to easily deploy new environments for development teams across the company.
- Utilized Prometheus and Grafana to monitor several API gateways.

Computer Science Academic Assistant, BVU, Storm Lake, Iowa **August 2019-March 2020**

- Successfully built a Flask application alongside a peer to help young students learn to program.
- Expanded knowledge of web development both front and back-end.
- Engaged with Dr. Nathan Backman weekly to report progress.

Software Engineer Intern, Principal Financial Group, Des Moines, Iowa **May 2019-May 2020**

- Intern for the Application Platform Services, API Management scrum team. Offered full-time position.
- Utilize Python, Java, and Ansible software to manage servers and company-wide applications.
- Deploy software in a production environment at the corporate level.
- Winner of 2019 Principal Summer Intern Code Jam Event.

PROJECTS

Personal Website

- Golang/Tailwind CSS/Caddy/Digital Ocean stack to showcase personal projects.
- Deployed to Digital Ocean linux nodes using Ansible, Github Actions, and GoRelease.

Fordyce Photos

- Python Flask/uWSGI/Caddy/Digital Ocean stack to display personal film photography.
- Photos are stored using Amazon S3 and retrieved periodically with the Boto3 Python library.

Computer-Reservation

- Flask/React application to manage on-campus computer laboratory.
- Allows authenticated users to reserve any computer for a specified amount of time.
- UI displays what computers are currently in use and when they will be available.

Canvas Assistant

- Google Assistant/Canvas API integration to verbally inform students about coursework.
- Hosted in Google Firebase Console, utilizes Realtime DB for data storage, written in NodeJS.
- Conversational flow designed and implemented in Dialogflow using Google's language processing.