Gibson Smith

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Experience

Apprentice DevOps Engineer

Liatrio (Chico, CA)   June 2024-Present

- Graduated from DevOps Bootcamp during a second-to-last semester at CSU Chico
- Learned and used industry-relevant skills and technologies such as AWS, Kubernetes, and Terraform
- Took on challenging projects such as re-engineering a Javascript Slack Bot that is used in daily work by management, making custom Terraform providers and Backstage plugins, and making a GitOps-controlled application platform using IaC technologies like Terragrunt and
- Worked with senior engineers on internal R&D kubernetes platform, focusing on integrating OpenTelemetry features into the cluster and making them immediately available to customers via Honeycomb during last semester at CSU Chico

Technical Projects

Replicant   January 2025 – May 2025

- Autonomous data collection and LLM and TTS model training from a designated Discord user.
- Utilizes containerization to make the entire process modular and allow for remote deployment.
- Uses Terragrunt and Terraform for AWS infrastructure, and Docker Compose for container orchestration.
- Updates changes made to individual applications to GHCR through a Github Actions pipeline.
- Capstone Project at CSU Chico.
- https://github.com/gdsmith1/Replicant

Clockwatch   October 2024 – Dec 2024

- Discord bot that offers several timer and alarm functions for users.
- Heavily tested on releases using Jest.
- Containerized for remote deployment, and run on my home server.
- https://github.com/gdsmith1/clockwatch

Autoscrap   February 2024 – May 2024

- Group project with several classmates in Software Engineering class.
- Node Javascript website that serves as a marketplace for car parts with a unique reverse-auction system to allow for users to request parts as well as buy listed ones.
- Utilizes a Firebase Firestore database to hold user and listing information as well as Firebase Storage to host image files for posted listings.
- https://github.com/ChicoState/Autoscrap

Skills

- Programming Languages: C++, C, Go, Javascript, Typescript, Python
- Cloud Platforms: AWS, Azure, GCP
- Infrastructure as Code: Terragrunt, Terraform, Tofu
- Containerization/Container Orchestration: Docker, Kubernetes
- Pipelines via Github Actions
- Linux environments and Bash scripting
- Version Control: Git and Github
- Synchronous and Asynchronous Communication: Slack, Zoom

Education

California State University, Chico   August 2021 – May 2025

- Bachelor of Science in Computer Science   GPA: 3.7
- Member of ACM