# Lucas Sproule

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## SUMMARY

Passionate DevOps engineer with a strong background in CI/CD, Terraform, Kubernetes and Cloud Computing. Skilled in Python, JavaScript, Ruby, and Bash Scripting. Excellent problem-solving, design, and collaboration abilities. Seeking a challenging role to develop cutting-edge Cloud Infrastructure.

## TECHNICAL SKILLS

**Programming Languages**: Python, JavaScript, SQL, Ruby, Bash, Golang, C++

**Cloud Vendors**: AWS, GCP, Azure, IBM Cloud, DigitalOcean

**Tools**: Docker, Kubernetes, Terraform, Ansible, Jenkins, Git/Github Actions, Jira, Grafana, Prometheus, ELK Stack

**Library/Frameworks**: Django, Flask, Express, Ruby on Rails, React, Solidjs, Scikit-learn, TensorFlow/TensorFlow Serving, PyTorch, OpenCV, Keras, Pandas, Numpy, Matplotlib, Spark

## EXPERIENCE

**Site Reliability Engineer** — Feb 2022 – Jan 2024
*Deloitte* — *Remote*
- Managed and maintained cloud infrastructure for various clients with Terraform
- Developed CI/CD pipelines in Jenkins to automate deployments to our CI/CD pipelines
- Added a DataDog layer to our AWS Lambda functions to capture data on usage and failure rates.
- Implemented Istio service mesh to monitor and secure microservices

**Site Reliability Engineer** — Jan 2021 – Jan 2022
*Blue Apron* — *Remote*
- Helped manage our Juniper network infrastructure with a Golang service to autoconfigure the ports
- Helped create On Premise Kubernetes clusters to move our Development Environment and save money
- Helped create new CI/CD pipeline to deploy our applications on the on premise clusters

## PROJECTS

**Cpp Package Manager** — Nov 2023 – Present
*C++ Project* — *C++, Lua, CMake*
- Developed a package manager for C++ projects to manage dependencies
- Implemented a Lua-based configuration system for easy project setup
- Created a CMake-based build system for compiling and linking the project

**Lsp Plugin** — Aug 2022 – Dec 2022
*Neovim* — *Lua*
- Developed a plugin for Neovim to provide language server protocol support
- Createed a simple interface for users to configure the servers in a simple way
- Implemented a Lua-based configuration system for easy project setup

## EDUCATION

**Western Governor's University** — Salt Lake City, UT
*B.S. in Cloud Computing* — *Dec 2020 – Sep 2024*

**Milton Hershey School** — Hershey, PA
*H.S. Diploma* — *Sept 2012 – June 2016*

## CERTIFICATIONS

- AWS Certified Solutions Architect
- AWS Certified Cloud Practitioner
- CompTIA Cloud+
- CompTIA Network+
- CompTIA Project+
- AWS Certified SysOps Administrator
- AWS Certified Developer
- CompTIA Security+
- CompTIA A+