

# Adrian Cederberg

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[blog](#) | [github](#) | [linkedin](#)

## Education

University of New Mexico

Spring 2015 - Fall 2019

- Bachelors of Science in Applied Mathematics - Minor in chemistry.
- Worked as a grader, tutor, and researcher. Got my first tastes of code with `matlab` and `python`.

## Projects

[Captura](#)

A framework for building sharing into APIs, including a command line and python client, tests, and pypi package. Includes actions to test, build, version.

[Blog and Captura IaC](#)

Infrastructure as code and DNS automation for my blog and `captura`.

[My Blog](#)

A blog powered by `quarto` where I routinely publish blog posts. Includes actions to test, build, version, and deploy.

[PydanticYamlSettings](#)

A library I like to use for project configurations

[Neovim Configuration](#)

Configuration for my favorite text editor.

## Employment

Founder | [acederberg.io](#)

January 2024 - Now

- Designed, implemented, tested, and deployed [captura](#) using `fastapi`, `sqlalchemy`, `pydantic`, and `docker`.
- Built my blog [acederberg.io](#) using `quarto` and routinely published blog posts.
- Implemented infrastructure as code and continuous integration and deployment for [captura](#) and my <https://acederberg.io> to `linode` using `pulumi` and `python`. Implemented SSL termination using `traefik`, `let's encrypt` ACME certificates, and `porkbun` API automation. Code is hosted on `github` but is only available upon request.

Senior Software Engineer | Mountain Vector Energy

January 2022 - December 2023

- Collaborated with team to design, implement, maintain, and deploy `Cufflink` Software as a Service.
- Contributed to `Cufflink` client and admin dashboards within the `react` and `next` frameworks.
- Bootstrapped the `Cufflink` API using `FastAPI`, `SQLAlchemy`, and `Pydantic`. Developed data pipelines, managed databases, and implemented fixes and features including `Auth0` OAuth authentication.
- Developed infrastructure as code using `terraform` on `azure` and designed `helm` charts for `Cufflink` services. Managed and debugged services in `kubernetes`, built `bitbucket` pipelines, and implemented/maintained continuous integration and deployment. Maintained service up-time and reliability.
- Used `atlassian jira` to track progress, keep notes, and assign issues.
- Performed technical interviews to hire two software engineers.

Research Assistant | UNM Mechanical Engineering

Summer 2019 - Winter 2020

- Collaborated with Craig Davidson of Dark Sea Industries to develop and document efficient air plasma production using magnetohydrodynamic methods.
- Built and programmed sensor arrays using Raspberry and Arduino and wrote drivers in `python` and `c`.
- Processed experimental data using `python` to generate graphs. Interpreted spectrometer data using `python` to increase productivity.

## Skills and Tools

Languages

Python, Javascript, HCL, Go, and lua,

Tools & Libraries

Kubernetes, Docker, Helm, Traefik, Terraform, Pulumi, Pydantic, FastAPI, Typer, SQLAlchemy, NextJS, Etc.

Data & Databases

YAML, JSON, CSS, HTML, XML, TOML, MySQL, MongoDB, Redis.

Dev Ops and Others

Pipelines, Infrastructure as Code, CI/CD, Linux, Windows, Vim, Neovim, Visual Studio Code.