Adrian Cederberg

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## Education

* 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

## Employment

* Designed, implemented, tested, and deployed using fastapi, sqlalchemy, pydantic, and docker.
* Built my blog using quarto and routinely published blog posts.
* Implemented infrastructure as code and continuous integration and deployment for and my to linode using pulumi and python. Implemented SSL termination using traefik, ACME certificates, and porkbun API automation. Code is hosted on github but is only available upon request.
* 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.
* 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

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| 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. |