



FULLSTACK DEVELOPER

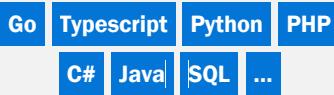
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Daniel Herzig

Skills

LANGUAGES



FRONTEND FRAMEWORKS



APPLICATION TOOLING



Projects

NP Auth

- ABAC + RBAC Golang microservice that powers thousands of authorization decisions per day.

Georestriction Mapper

- Automated Temporal workflow that generates Open Policy Agent bundles from Postgres + BigQuery to S3 bucket

API Filter Worker

- Cloudflare Worker for redacting API results for users requiring geographic restrictions, using OPA WASM and Cloudflare D1

Carbon Dashboard

- Serverless Typescript API storing carbon data using Cloudflare Workers and Workers KV

Software Excellence Worker

- Built asynchronous workflow for measuring Cloudflare's software quality against internal best-practices.

Augustus Proof of Concept

- Led technical implementation on a fine-grained access control with dynamic policy inputs from Salesforce and Zendesk

Education

Rochester Institute of Technology, Rochester, NY Graduated December 2018

Bachelor of Science in Computer Science, Magna Cum Laude

Overall GPA: 3.66

Awards: Kenneth and Margaret Reek Scholarship, Dean's List, Undergraduate Research & Creativity Presentation Finalist

Google Applied Machine Learning Intensive, Oakland, CA

Cohort Student

February – April 2019

- Selected from over 600 applicants as one of a 21-person cohort to take part in a ten-week, project-based Machine Learning pilot program fully funded by Google at Mills College for 9 credits.
- Analyzed and cleaned visual data, and trained **machine learning** models against various large data sets, including identifying modeling issues and adjusted input data accordingly.

Work Experience (See website for full employment history)

Cloudflare, Austin, TX

Senior Systems Engineer, Tech Lead

August 2019 – Present

- Replaced database driven RBAC authorization system with a fine-grained microservice, written using **Golang** and **Open Policy Agent**, used by of thousands of users monthly.
- Formally recognized as an “Extraordinary” contributor by executive leadership and Cloudflare’s board of directors. (Details upon request).
- Upskilled fellow engineers on best practices of **observability**, **documentation**, and **code cleanliness** through PR reviews and learning sessions.
- Lead team of engineers and product to build self-serve support tooling for Cloudflare’s customers.
- Launched alerting platform for Cloudflare customers on certain event triggers through **Kafka**, **Golang** and **Postgres**.
- Led “squads” of coworkers in triaging and tackling **JIRA** tickets for over 10 independent application services.

Center for Campus Life, Rochester, NY

Web Developer

January 2016 – December 2018

- Developed campus applications with **Vue**, **mySQL**, and **Express** for use by thousands of students.

Ellucian, Rochester, NY

Software Development Intern

May 2018 – August 2018

- Utilized **AWS** Elasticache to resolve concurrency issues within **Express.js** REST APIs.
- Developed and tested **Express/Node.js** REST APIs through **test-driven development** with Mocha / Chai.
- Delivered code bi-weekly to customers in Agile sprints.

Praxair, Tonawanda, NY

Software Developer

June 2017 – December 2017

- Developed **ASP.NET** web applications using C#, Visual Studio, and MSSQL.