Nathaniel Taylor

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(703) 635-8499

M.A. in Nonproliferation Studies, Middlebury Institute of International Studies

Tools (and Self Assessment)

- Python (Very Good)
- Puppeteer (Very Good)
- Typescript/Node (Good-ish)
- Docker/Podman Devops (Okay)
- AWS/GCP (Okay)
- Regex (Ninja)
- Vscode (Very Good)

Work History

MX Technologies

Software Engineer (remote)

March 2023 - current

Job Description: I write and maintain software that aggregates customer account data from different sources into a single interface and api. The crawling software is written in typescript. I also work on a variety of smaller codebases, also in typescript, related to automated error reporting and observability.

Tech

- node/typescript
- puppeteer
- chrome development and network tools
- html/css
- playwright
- aws s3 and ec2
- kibana
- bash

Valhalla

Backend Software Engineer (remote)

August 2022 - September 2022

Job Description: This was a three month contract to deliver a data backend for an enterprise customer facing ticket booking service with graphql endpoints. The server was written in Go using Gin and the gqlgen framework. I also designed the data model and wrote the postgresql and graphql schema definition files.

Tech

- go
- graphql
- postgresql
- gqlgen
- gin

Dark Owl
Software Engineer (hybrid)
October 2021 - July 2022

Job Description: This was a position writing tor-network crawlers and data ingestion tools.

Tech

- tor
- docker and docker-compose
- bash
- python
- aws s3 and ec2
- html/css
- puppeteer
- chrome development and network tools

Picnic
Software Engineer (hybrid)
January 2020 - October 2021

Job Description: This was my first job writing code. When I was hired Picnic had not yet been acquired. It was acquired a year after I started working there. I started out writing search engine result crawlers and then moved on to writing personal identifying information (PII) aggregator crawlers. The service we offered was the monitoring and (if possible) automated removal of PII from the open internet on behalf of our clients. Picnic was a smaller company without dedicated devops staff, so in addition to learning crawling and the web stack I also learned devops using gcp, docker and terraform.

Tech

- python
- terraform
- postgresql
- docker and docker-compose
- gcp
- puppeteer
- chrome development and network tools
- html/css

Center for Non-Proliferation Studies
Open Source Intelligence Analyst (on-site)
July 2015 - July 2018

Job Description: I worked at CNS for four years while I obtained my MA. I was an OSINT and geospatial imagery analyst. I also created 2D and 3D content for media and public engagement.

Tech

- blender
- photoshop
- arcGIS