

SUMMARY

Throughout my professional history, I have worked with rest APIs, event driven systems, automation, and full stack frameworks. I have had the opportunity to program with early languages like Cobol and Machine Assembly, to modern-day languages like Java, Ruby, and Python. I enjoy learning new languages, frameworks, and operating systems to cultivate the best solution for any problem.

EXPERIENCE

Hubspot | Software Engineer

May 2022-Dec 2022

- Programmed Java services that aided in the reliability of our HTML template renderer
- Developed Cloudflare and AWS services that helped minimize traffic to company hosted resources
- Contributed to the HubSpot open-source templating library JinJava
- Utilized services such as Pingdom, Sentry, and Athena to help our team understand gaps in reliability
- Investigated issues to minimize unexpected exceptions and mitigated customer problems
- Built Cloudflare edge workers for resource routing in JavaScript

Target | Software Engineer

Jan. 2020-May 2022

- Designed applications to integrate into an event driven system using Kafka which could process up to 2000tps under load
- Created several Java applications following microservice architecture using postgres or elastic search as primary data store depending on the required use case
- Suggested and designed several full stack solutions, React and Thyme-leaf templates, to help with developer admin changes or tools that would self serve requests from other teams
- Rearchitected carrier notification system and built end to end tests while maintaining data integrity

IDEMIA | Associate Software Engineer

Feb. 2019-Jan. 2020

- Designed and developed a full-stack end to end testing solution our Digital ID product
- Helped lead registration development for Trusted Fan product
- Utilized Apache Camel and Spring Boot to create restful services that were easily deployable to docker containers
- Produced technical documentation and system architecture diagrams

IWCO Direct | Data Processing Tech I

April 2016-Jan. 2019

- Programmed in legacy code like COBOL to process large quantities of data for mass mailing

- Used scripting languages and more specialize applications to read customer data to normalize, cleanse, and append data for mailing needs
- Worked on programs in Visual Basic and shell scripting to create small applications to aid in daily work.

Technology Stack

Back End: For backend services I am most comfortable with Java and Spring boot. Other variants include Kotlin and Spring boot or Java with Google Guice and Drop wizard.

Front End: Created several applications using React as a front-end framework. Other quick solutions consisted of Spring boot and Thyme leaf for the template engine

PROJECTS

Personal Website

- Found a use case to create a personal space for myself to display how I present my skill outside of places like LinkedIn and Facebook. Although I haven't used Ruby on Rails since my first coding job, I found a passion for how fast this framework helped developers create websites.
- Using Rails, I was able to create a space for my professional work and other ways to display some of my other hobbies and passions. Used Heroku to deploy the service with a postgres backend.
- You can find the code here: <https://github.com/zombieman010/nponliner>

Wedding Website

- I had the idea of creating a website that basically mimicked disposable cameras that people left at weddings. In this website I wanted to have users upload images, have an admin approve submissions, and display winners. Also, this website had a configuration to let guests RSVP to our wedding. I worked with one of my good friends to get the project rolling. He was comfortable writing in ASP.NET and C#. At the time I didn't know either and decided to learn that language and framework to get some help on the project. In the end we were able to successfully get over 50 submissions and the website remained stable the entire day!
- You can find the live site here: <https://wedding.mollyandnathaniel.com/>

Maze Engine

- Having some practice with algorithms, I created a maze engine that uses the Breadth First Search algorithm to take in a maze and output the most efficient path. This project consisted of Endpoint, Service, and a start of recording submissions and other stats about the maze solves.
 - You can find the code here: https://github.com/zombieman010/maze_engine
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EDUCATION

Colorado State University System, Global Campus

- Bachelor of Science, Information Technology