

Jonathan Wyatt Pilling

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PROFESSIONAL EXPERIENCE

Plaid

Salt Lake City, UT

Software Engineer – NodeJS / Typescript

May 2021 – Present

- Proposed and implemented a segmented alerting solution which helped reduce error rates from 6% to <1% for ~90% of Canadian users.
- Proposed and implemented a browser automation ownership plan with a one year road map.
- Implemented improved redaction strategy for request hashing, resulting in increased visibility on failing endpoints.
- Built out new product support in Canada increasing ARR by \$1M.
- Implemented Kibana logging solution to remove >4000 lines of unused production code.
- Enabled support for Canada Electronic Funds Transfer (Similar to US ACH) by updating FDX API solution (CoreX).
- Enabled Pyroscope to run alongside CI to generate flame graphs for test suite.
- Upgraded Puppeteer npm package from major version 10 to 18 and updated all internal systems dependent on this package.

Progrexion

Salt Lake City, UT

Software Engineer – Python

March 2020 – April 2021

- Developed back-end machine learning applications in Python using Flask and Docker.
- Deployed containerized applications to the cloud using Heroku and developed CI pipeline to automate testing.
- Deployed an internal call routing model that increased conversion rate by 8%.
- Integrated with third-party api service to get zip code information for customers using phone number, resulting in obtaining zip codes for >95% of customers.
- Developed a Flask API to extract data, resulting in a clean, reliable interface for HTTP requests to retrieve data from various databases.
- Developed Docker Compose files to containerize local development and achieved parity with production environment.

Chart Logic

Salt Lake City, UT

Software QA Intern - C#

June 2019 – February 2020

- Responsible for testing software (Functional, Regression, Back-End) and automating tests in Visual Studio using Selenium with C#.
- Fully automated testing of website permissions functionality, completely removing manual test needs for this feature.

Coda Octopus Group - Colmek

Murray, UT

Engineering Intern

October 2018 – April 2019

- Demonstrated strong analytical and critical thinking skills while testing software and hardware.
- For a particular PCBA, modified PuTTY solution to cut testing time by 30 seconds per assembly.

PROJECTS

Computer Engineering Senior Project

Salt Lake City, UT

Wireless Mesh Audio System

August 2019 – December 2019

- Developed, with a team, a wireless mesh solution for broadcasting audio data between speakers of different brands.
- Wireless mesh software was written in C using the ESP32 framework.

Database Systems

Salt Lake City, UT

Learning Management System

January 2019 – April 2019

- Created a database in MySQL to implement a learning management system. GUI communicated with the database via LINQ queries in C#.

TECHNICAL SKILLS

- Python, Flask, NodeJS, Typescript, C, C#, Git, MySQL, Docker, Kibana, Heroku

EDUCATION

University of Utah

Salt Lake City, UT

Bachelor of Science in Computer Engineering

Graduated December 2019

Hobbies: Play drums in successful local bands, competitive Super Smash Bros. Player, car enthusiast.