Brian Mendoza

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EXPERIENCE

cPanel **Houston, TX**

Software Developer II July 2023 – Present

Software Developer I June 2022 – July 2023

Associate Software Developer January 2021 – June 2022

- Collaborated with a team in Russia to launch a new Server Monitoring SaaS product written in a React, Express, NodeJS stack. Required refactoring significant parts of the code base
- Applied various optimizations to Nginx reverse proxy server to improve web stack performance, resulting in a 40% increase in page load times for high traffic websites
- Implemented a highly requested feature including the accompanying RESTful API that streamlined the app searching process within the control panel UI
- Applied best practice development techniques and processes to effectively maintain and develop new features for the core product's massive 20+ year code base
- Developed and maintained multiple RPM/DEB packages used by thousands of customers

SKILLS

Languages: Perl, Python, JavaScript/Typescript, C++, HTML, CSS
Tools: AWS S3 & RDS, Git, Linux, RPMs, Bitbucket, Jira, OpenStack, OBS, Jenkins, Google Analytics
Frameworks: Angular, Django, Template Toolkit, Agile development
Certifications: Cisco Certified Network Associate (CCNA)

EDUCATION

University of Houston **Houston, TX**

Bachelor of Science in Computer Science January 2017 - December 2019

- Cum Laude & Dean's List
- Minor in Mathematics

PROJECTS

Library Management System – Full Stack Development

Web library system that includes features such as reservations, check-outs, check-ins, late fees, etc

- Designed database schema, implemented with MySQL, and deployed to AWS RDS
- Developed back-end using python by leveraging the Django web framework
- Designed an easy to use UI using HTML and CSS (Bootstrap)
- Served static assets such as book covers through AWS S3

Dog Anxiety Soother – Embedded Development

Detects when an anxious dog is barking and plays curated music playlists

- Collaborated with a team to construct product using an Arduino microcontroller and Raspberry Pi
- Designed and implemented an algorithm using Python and C++ that detects barks by loudness, streams a curated playlist served by AWS, and fine tunes playlist until desired results