
EXPERIENCE

Co-Op – Airplane Parts and Reliability – FedEx Express August 2019 – Present

- Developed a handful of big data parsing solutions within Databricks.
- Learned how to deploy applications and services within Azure.
- Co-developed an Angular 12-based tool for data visualization for airplane reliability.
- Co-developed a NestJS-based backend for our data visualization web application.
- Managing a suite of Linux and Window systems from an administration standpoint
- Helped build links from legacy Oracle databases to modern Azure databases
- Built a WINE-based API wrapper for a legacy 16-bit DOS application to run analysis on Boeing airplane engines.
- Stood up CI pipelines for our backend and front end web applications
- Maintained a documentation wiki for our Databricks/Azure services and virtual machines
- Built a file management API for sharing reports and visualizations for our web application
- Created PowerBI reports linking to Azure databases

Internship – FedEx Express Services Summer of 2019

- Built and deployed an Angular web application
- Built and deployed a Spring backend on Pivotal Cloud Foundry
- Learned how to deploy and monitor an application with Splunk

Secondary Lead Developer – ER2, Memphis, TN 2017 – 2019

- Helped build and design a Ruby on Rails web application to facilitate laptop deployment
- Helped build and launch a public facing PHP/Symfony web application facing major AZ healthcare providers.
- Built and designed a solution to test, image, and inventory macOS machines and equipment
- Developed an iOS application to test the hardware of iOS devices
- Built a suite of Wordpress plugins with PHP
- Responsible for most site-wide CSS changes in our internal web applications
- On-site technical support for servers, printers, routers, switches, etc

Technician – ER2, Memphis, TN 2016 – 2017

- Tested a wide range of technical equipment, such as: servers, printers, routers, switches, drive shelves, WAPs, iOS devices, Android devices, macOS machines
- Built a DeployStudio suite with end-to-end scripts talking to a custom inventory web application
- Helped design a custom inventory web application

I.T Assistant – New Hope Christian Academy, Memphis, TN 2016, 2017

- Chromebook deployment
- Windows deployment
- On-site technical support for servers, printers, routers, switches, etc

FREELANCE

I.T Assistant – Fellowship Memphis, Memphis, TN 2015-2016

- Built a solution to facilitate backups of important data

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- Managed a macOS Server hosting ~20 people
- Deployed meshing wireless APs hosting 20-120 people

EDUCATION

Computer Science – University of Memphis, Memphis, TN

Targeted Graduation: 2021

TECHNICAL EXPERTISE

OS: Ubuntu/Linux, macOS, macOS Server, Debian

Software: AutoNBI, DeployStudio, Vagrant, Docker

Programming: Bash, Python, PHP, Git, Swift, Objective-C, HTML, CSS, Javascript, Ruby

OTHER

Eagle Scout – Boy Scouts of America

2017