

Jeffrey Fonseca — Resume

jeff.fonseca777 [at] gmail.com • +1-573-***-****
Github : [moonpiedumplings](#) • Website/: [moonpiedumplings.github.io](#)

Summary

Avid user of Linux and related technologies for 6 years, intimately familiar with them through personal projects, daily usage, and teaching others. Proficient in both operations, and technical writing/documentation.

I have a site where I document all my work, write about tech, and post guides for other to use: [moonpiedumplings.github.io](#)

Professional Experience

Internship at Cirrascale Cloud

Date: 7/10/2023 - 8/26/2023

- Installed and configured PFsense on Proxmox
- [Used packer to automate creation of a MAAS image that deploys Proxmox](#)
- [Documented K3's kubernetes, vcluster, and Kata-containers on Nvidia GPU's for machine learning operations](#)
- Assisted in building physical servers, including doing tasks like installing storage, memory, or Nvidia GPU's

WUOTT — Behavioral Health Clinic

Date: 2016 - 2022

- General helpdesk and tech support
- Deployed Meshcentral on an Ubuntu VPS using Docker Compose so I could access, manage, and troubleshoot Windows devices remotely
- Managed a Wordpress site
- Managed an email server

Independent Organizations

President of Layer 8 Cybersecurity Club at Cal State Northridge

Date: Fall 2023 to Ongoing

CSUN competes in a cybersecurity competition, [CCDC](#). Much of the work here is for that.

- [Automated firewalls, backups, password shuffling and container management via Ansible](#)
- [Designed a reproducible development environment for Linux , Windows , and Mac using Nix](#)
- Introduced and taught people Linux , concepts, and related software , , , ,
- [Did regular presentations, every Monday, on various cybersecurity, cloud, and devops topics](#)
- Completed multiple [NICE challenges](#), involving Linux , terminal , and database management. Wrote [5 Writeups](#) to assist my teammates.
- Led the CCDC team to [regionals](#) as the Linux team lead, taking 7th out of 27 teams

Personal/Educational Projects

- Deployed a Minecraft server using Podman to an Oracle Cloud VPS
- Built CI/CD Pipelines using GitHub Actions and Docker , to deploy to an AWS EC2 VPS, for a class project for AP CSP. Over 40 students utilized my pipelines for auto deployment
- Dockerized Node.js , Python , and Java applications
- Wrote technical documentation to assist students and teachers in AP CSP (E.g: [duckdns](#))
- [Deployed Kasmweb on a highly performance optimized Ubuntu VPS](#)
- Deployed a point to site Wireguard VPN connection between my router and a VPS
- Installed OpenStack on Rocky Linux using Kolla-Ansible
- Deployed a Kubernetes cluster using FLuxCD (GitOps)
- Deployed Incus (Proxmox/ESXi alternative) with Single Sign on and Fine Grained Authentication to control what resources invited users had access to

Education

The items in this section are in chronological order, from things I did first to things I did most recently.

- Cal State Northridge Computer Science BS — expected graduation 05/27
 - ☒ Introduction to Algorithms and Programming (COMP 110/L)
 - ☒ Data Structures in Java (COMP 182/L)
 - ☒ Calculus 2 (CALC 150B)
 - ☒ Computer Architecture (COMP 122)
 - ☒ Discrete Structures (COMP 256)