Jeffrey Fonseca — Resume /

# Contact me

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[Github : moonpiedumplings](https://github.com/moonpiedumplings)

[Website ]

# Summary

Avid user of Linux and related technologies for 5 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: [my website](https://moonpiedumplings.github.io/)

[My github](https://github.com/moonpiedumplings)

# Professional Experience

**Paid Internship at Cirrascale Cloud** Date: 7/10/2023 - 8/26/2023

* Installed PFSense on Proxmox
* [Used packer to automate creation of a MAAS image that deploys Proxmox](https://github.com/moonpiedumplings/proxmox-maas/)
* [Documented K3’s kubernetes, vcluster, and Kata-containers on Nvidia GPU’s for machine learning operations](https://moonpiedumplings.github.io/rancher-ops/)
* Assisted in building physical servers , including doing tasks like installing storage , memory , or Nvidia GPU’s

**WUOTT — Behevioral Health Clinic** Date: 2016 - Still ongoing.

It’s my mother’s business, so I help out a little bit when needed

* General helpdesk and tech support
* Deployed Meshcentral on an Ubuntu VPS using Docker so I could access, manage, and troubleshoot Windows devices remotely

# Independent Organizations

**Layer 8 Club at Cal State Northridge** Date: Fall 2023 to Ongoing

CSUN competes in a cybersecurity competition, [CCDC](https://www.nationalccdc.org). Much of the work here is for that.

* [Automated firewalls, backups, password shuffling and container management via Ansible on Linux](https://github.com/CSUN-CCDC/CCDC-2023/tree/main/linux/ansible/roles)
* [Created a reproducible development environment using Nix and documentation](https://moonpiedumplings.github.io/guides/ccdc-env)
* Introduced and taught people Linux , concepts, and related software , , , , ,
* [Did a presentation on containers that run on Linux](https://moonpiedumplings.github.io/talks/containers)
* Completed multiple [NICE challenges](https://nice-challenge.com/), involving Linux , terminal , and simple database management. Wrote [5 Writeups](https://moonpiedumplings.github.io/writeups/) to assist my teammates.

# 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
* Dockerized Node.js , Python , and Java applications
* Wrote technical documentation to assist students and teachers in AP CSP (E.g: [duckdns](https://moonpiedumplings.github.io/guides/duckdns/))
* [Deployed and documented the deployment of Kasmweb](https://moonpiedumplings.github.io/projects/setting-up-kasm/)
* Worked towards [packaging Kasmvnc](https://moonpiedumplings.github.io/projects/setting-up-kasm/) and [OpenStack](https://moonpiedumplings.github.io/projects/openstack-on-nixos/) via Nix
* [Deployed a point to site Wireguard VPN connection between my router and a VPS](https://moonpiedumplings.github.io/projects/build-server-2/#router-networking)
* [Installed OpenStack on Rocky Linux using Kolla-Ansible](https://moonpiedumplings.github.io/projects/build-server-2/)

Current personal projects can be found on [my website](https://moonpiedumplings.github.io/), where I document my work as go. I make it a point to pick challenges beyond my current ability. I don’t always succeed, but I always grow in the process.

# Education

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

* Palomar Community College
  + Intro to OS/Hardware Fundamentals (CSNT 110)
* Graduated from Del Norte High School
  + AP Calculus AB
  + AP Computer Science Principles (AP CSP)
* 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 (CALC150B)