Jose Islava
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Summary

Software Engineer with hands-on experience developing and deploying backend systems using **Python, Flask, and Linux-based environments**. Proficient in cloud provisioning with **AWS EC2** and production configuration using **Nginx, Gunicorn, and SSL certificates**. Adept at writing clean, testable code and maintaining RESTful services. U.S. Marine Corps veteran with strong discipline, adaptability, and teamwork—motivated to contribute to Canonical's mission of building reliable, open-source software for global users.

Education

University of Arizona, B.S. Applied Computing, Honors (GPA: 3.7)
Relevant Coursework: Object-Oriented Programming (Python, C, C#), Data Structures & Algorithms, Networking, Databases

Technical Skills

Languages: Python, C, C#, HTML, CSS

Frameworks & Libraries: Flask, Django, React (learning), Node.js (familiar), Jinja2

Systems & Cloud: Ubuntu Linux, AWS (EC2, Route 53, SSL, SSH), Git, GitHub, CLI

Databases: PostgreSQL, SQLite, JSON

Concepts: REST APIs, Agile Development, CI/CD, Authentication, Cloud Deployment, Containerization

Projects

Portfolio Website - Full Stack Deployment (AWS EC2 + Linux)

- Deployed a personal Flask-based portfolio website on Amazon EC2 running Ubuntu Linux.

- Configured Nginx and Gunicorn for secure HTTPS production hosting using a custom SSL certificate.
- Managed DNS routing via Route 53 and set up SSH key authentication for secure server access.
- Maintained Linux server updates, firewall rules, and deployment automation.

Employee Management System – Flask Web App

- Built backend authentication and RESTful CRUD API
- Used PostgreSQL for secure data storage, bcrypt for password hashing
- Deployed in Linux environment (Ubuntu-based stack)

Book Management Web App (In Progress – 2025)

- Django-based book manager with user auth and personalized reading lists
- Integrated Google Books API and SQLite backend
- Emphasis on full-stack logic, API calls, and persistent storage

Military Experience

United States Marine Corps – Sergeant

- Leadership & team coordination in high-stress environments
- Security & operational discipline
- Honed adaptability, teamwork, and attention to detail
- Mentored and supervised junior Marines; maintained readiness standards