

Steven Mendoza

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Summary

Backend-focused fullstack developer with a systems-first approach to backend systems and API design. I work primarily on backend APIs, authentication flows, and infrastructure-aware application design.

Final-year Cybernetic Electronics Engineering student with a strong background in computer networks and applied mathematics, shaping how I approach system design, data flow, and architectural tradeoffs.

Projects

Hermes Services

Jan 2025 – present

DevOps-as-Code platform and PyPI package for automating multi-server deployments and environment management.

- Designed a backend-centric system for infrastructure setup, environment management, and CI/CD automation
- Built with Django REST, Docker, Nginx, PostgreSQL, Redis, and Google Cloud Platform
- Published as a reusable Python package on PyPI
- Emphasis on system design, automation, and reproducible deployments

Quackternion

Apr 2025 – present

Interactive 3D simulator applying spatial transformations using quaternions. Currently in a stable maintenance phase.

- Implements quaternion-based transformations for 3D object simulation
- Automatically generates mathematical reports in PDF and LaTeX
- Deployed as a backend-driven fullstack application

Eulerian Hades

Jan 2024 – Dec 2024

Learning and problem-solving platform for engineering students. Initial version delivered; further development planned.

- Backend-focused educational platform for mathematics and engineering topics
- Designed for modular growth and long-term maintainability
- Uses Django, PostgreSQL, Redis, Docker, and CI/CD workflows

Experience

Fullstack Developer

NetForemost

Panama (Remote)

Oct 2025 – present

- Contributed to the development and maintenance of a production .NET Core API used by companies for task management, time tracking, payroll, and accountability
- Implemented backend endpoints focused on authentication and account lifecycle flows (login, signup, invitations, onboarding, and recovery)
- Worked closely with product requirements to ensure consistency between API contracts and client applications
- Collaborated with a distributed team following an iterative workflow, participating in estimation, planning, and scope discussions
- Supported client-facing development when needed to deliver complete end-to-end features

Skills

Backend & Systems: Python, Django REST Framework, API design, authentication (JWT, OAuth2), system design, domain modeling

Databases: PostgreSQL, Redis, MongoDB

Backend Ecosystems (Production Experience): .NET (API development, authentication flows)

DevOps & Infrastructure: Docker, Nginx, GitHub Actions, Google Cloud Platform (GCP), CI/CD automation

Frontend: HTML, CSS, JavaScript, React, React Router, Flutter

Engineering Foundations: Computer networking, digital electronics, applied mathematics, LaTeX

Languages: English (C1 – Professional), Spanish (Native)

Education

Cybernetic Electronics Engineering

Nicaragua

Bachelor's Degree in Cybernetic Electronics Engineering (in progress)

Jan 2022 – Dec 2026

- Strong foundation in systems thinking, engineering problem-solving, and applied mathematics
- Academic focus on software development, computer networks, digital electronics, and system modeling