

ANTONIO URDANETA

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| aaurdanet.github.io/Portfolio/ | github.com/aaurdanet |



EDUCATION

UNIVERSITY OF CENTRAL FLORIDA

Cum Laude GPA: 3.8

BS Information Technology | Minor Secure Computing and Networks

- Honors: President's & Dean's Honor List
- Societies: Society of Hispanic Professional Engineers (SHPE), Hack UCF, Knights Hacks, PTK HIS

CERTIFICATIONS

AWS Solutions Architect & Cloud Practitioner

CompTIA Security+ & Network+

TestOut IT Fundamentals Pro & CyberDefense Pro

PROFESSIONAL EXPERIENCE

NEXTERA ENERGY RESOURCES

Juno Beach, Florida

Cloud / DevOps Engineer

February 2025 – Current

- Optimized cloud resources and costs by analyzing usage, decommissioning, and right-sizing, saving ~\$47,000K monthly
- Built and maintained AWS infrastructure using CDK (TypeScript), ensuring consistent and scalable cloud deployments
- Created YAML-based GitHub Actions workflows to automate CI/CD AWS deployments across 5 environments
- Resolved complex performance issues in AWS event-driven architectures using best practices, boosting speed and scalability

UNIVERSITY OF CENTRAL FLORIDA

Orlando, Florida

TA Coordinator - Computer Architecture

August 2024 – December 2024

- Created and shared setup instructions for assembly language programming software, supporting 250+ onboarding students
- Led and coordinated team of 4 TAs, sharing key updates and ensuring access to programming resources
- Guided software installation, programming, and debugging, resolving 100% of technical issues efficiently

REAL LIFE

Clermont, Florida

IT Intern

May 2024 – August 2024

- Maintained and configured servers with RAID 10 setup achieving 40% increase in data retrieval and improving redundancy
- Utilized SSH into networking devices to push configurations, ensuring seamless updates while maximizing network uptime
- Managed and maintained 80+ UniFi network devices via cloud controller, ensuring optimal performance and uptime
- Applied PoLP for user account management on AD and Google Admin, ensuring structured access and permissions

PROJECTS

NBA PLAYERS STATS DATABASE API

August 2024 – October 2024

Python Backend Developer

- Designed a normalized PostgreSQL database for efficient storage of NBA's player stats extracted from 3 raw JSON files
- Created a Python script using Pandas and NumPy to load and clean raw datasets, preventing data duplication
- Implemented Django RESTful API endpoints to extract player statistics from the database for front-end applications access

MYSQL THREE-TIER WEB APP

May 2024 – August 2024

Java OOP Developer

- Engineered a three-tier web app using servlets, JSP on Tomcat, optimizing MySQL data retrieval via JDBC for clients
- Developed secure authentication and authorization with role-based access and database credential validation
- Created CRUD functionalities in Java and optimized databases management with prepared statements and stored procedures

WEB APPLICATION DEVELOPMENT

May 2023 – August 2023

Web Developer

- Developed a dynamic budgeting application with HTML, JavaScript, and CSS, enhancing functionality and UX/UI
- Designed tools for interest savings, loan payments, and budgeting based on user feedback, ensuring 100% satisfaction
- Utilized APIs to integrate an AI assistant and finance glossary, supplementing user understanding on financial information
- Applied Agile methodology in a team of 4 to enhance problem-solving and meet strict 12-week project timelines

SKILLS

Programming: Typescript | Python | Java | C++ | C | C# | MySQL | SSMS | PostgreSQL | JavaScript | HTML | CSS | React.js

Technology: AWS CDK | Selenium | Pandas | Flask | Jinja | Django | RESTful API | NumPy | BeautifulSoup | Bootstrap | JSP | GitHub | Git | Android Studio | Linux | VMs | Active Directory | Microsoft Office |

Languages: English – Fluent, Spanish – Native