Nicholas Pitti

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OBJECTIVE

I aim to contribute my programming expertise, problem-solving skills, and commitment to continuous learning to meet user and business needs. I am naturally inquisitive, detail oriented, and creative.

WORK EXPERIENCE

T-Mobile *(Contractor)*   **Feb. 2024 – Feb. 2025**

Network Administrator   *Remote, TX*

- Documented network changes to ensure accurate records and facilitate future network tasks.
- Monitored network performance to identify and resolve potential issues proactively.
- Ensure necessary information is provided to expedite restoral efforts.

EDUCATION

Technological University of Panama   **October 2023**

BS, Computer Systems Engineering   *David, Panama*

- Tasked with a diverse set of projects using programming languages and tools including C++, C#, Java, Python, Linux, CISCO CLI, SQL, Arduino, Raspberry Pi, Blender, Unity, Krita, AutoCAD.
    - Developed 2 facial recognition projects with Arduino, Python and Linux.
    - Set up Endian firewall on Linux virtual machine as well as configuring firewall rules, intrusion prevention, web filtering, antispam, and antispyware, and TCP/UDP port rules.
    - Created a 3D game with game logic programmed in C# and leveraged Unity's engine to create a simple and intuitive experience.
    - Designed and produced a dynamic 2D animation in Krita, applying principles of animation and storytelling to convey a compelling narrative.
    - Via AutoCAD drew accurately scaled 3D model of a Dell Inspiron Laptop.

Cisco Systems   **April 2023**

Certification, Cisco Certified Network Associate (CCNA)   *David, Panama*

- Evaluates knowledge of theoretical and practical skills, such as installation, configuration, operation, and troubleshooting medium-sized networks.
- Concepts:
    - Routing and switching protocols
    - Cisco router and switch configuration
    - Subnetting
    - Network security

AWS   **In progress**

Certification, AWS Certified Cloud Practitioner CLF-C02 2025

- Understanding of cloud concepts
- Uphold security and compliance with the AWS Shared Responsibility Model, IAM roles, and security best practices like MFA and encryption.
- Optimize resources to balance performance with cost-effectiveness.

SKILLS

Linux; Cisco CLI; Python; SQL; Git; Arduino; AWS; HTML / CSS; JavaScript; TypeScript; React; Vue.js; Next.js; Node; NPM; Bootstrap; LESS; SASS; Java; C#; Vb.net; Android Studio; Oracle VirtualBox; UiPath; Unity; Krita; Blender; AutoCAD; Gimp; Microsoft Suite; CI/CD Principles; Extreme Programming

PROJECTS

Custom PC Build Project
- Investigated and monitored PC part prices with a month anticipation, as well as, during Black Friday and Cyber Monday. Ensured compatibility of components before purchase.
- Assembled components and case.
- Performed Bios flashback for ASRock motherboard.
- Installed windows 11 using the windows media creation tool.

Portfolio Webpage
- Created original code base from scratch with HTML, CSS, Bootstrap & JavaScript.
- Refactored TypeScript and React components created in Next.js framework.
- Deployed with GitHub Actions.
- Hosted on GitHub Pages.

Spotify Organizer
- Created custom Spotify API functions to assist in playlist organization, track search, queue creation, queue saving to JSON.
- Developed TypeScript Vue components for displaying, organizing and playing tracks.
- Implemented API authentication & Vue Pinia state management for store variables (client ID & access token).

Full Stack Database Manager
- Configured MySQL database connections and queries.
- Developed TypeScript Vue interface for viewing database tables.
- Utilized ExpressJS for server routing.
- Implemented Model-View Controllers model for handling database operations.

Automated Youtube Video Summarizer
- Implemented a WhisperAI Python script for text transcription and file modification.
- Developed UiPath logic for sending text in chunks to work around the character limit of ChatGPT prompts.
- Designed a UiPath / .Net workflow to bulk download videos & summarize text transcription using ChatGPT.

React Bootstrap Ecommerce Web Clone
- Constructed a responsive layout.
- Modified react-bootstrap components to visually imitate eCommerce website (coolshirtz.com).

HOBBIES

Bouldering; Chess; Cooking; Drawing; Guitar; Table tennis; Volleyball; Weightlifting; Writing

REFERENCES

Available upon request.