

Nicholas Pitti

<https://nicholaspitti.github.io/nicholas-pitti/>

nick.a.pitti@gmail.com

<https://www.linkedin.com/in/nicholas-antonio-pitti-745772140>

(682) 364-9274

Arlington, TX

OBJECTIVE

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

WORK EXPERIENCE

Confidential Employer, Fortune 500 (Contract)

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 separate Arduino microcontroller projects with Python and Linux for facial recognition.
 - Set up Endian firewall on Linux virtual machine as well as configuring firewall rules, intrusion prevention, web filtering, antispam, and antispysware, and TCP/UDP port rules.
 - Built a 3D game in Unity in C# to implement core game mechanics and game design.
 - Designed and produced a dynamic 2D animation in Krita, applying principles of animation and storytelling to convey a compelling narrative.
 - Via AutoCAD drew an accurately scaled 3D model of a Dell Inspiron Laptop.

Cisco Systems

April 2023

Cert, Cisco Certified Network Associate (CCNA)

David, Panama

- Evaluates knowledge on 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

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

- Webpages refactored and built with Next.js Designed a UiPath / .Net workflow to bulk download videos & summarize text transcription using ChatGPT.
- Implemented a WhisperAI Python script for text transcription and file modification.

React Bootstrap Ecommerce Web Clone

- Constructed a responsive layout.
- Modified react-bootstrap components to visually imitate eCommerce website (coolshirts.com).

HOBBIES

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

REFERENCES

Available upon request.