Lucas Gilsinger

LinkedIn

SUMMARY

Software developer with eight years of programming experience specializing in Python, C, and web development. Skilled in software engineering, embedded systems, cryptography, networking, and Linux/Windows server management. Proven ability to collaborate on projects, develop internal tools, and automate processes to improve efficiency.

TECHNICAL SKILLS

- Programming Languages: Python, C, Java, JavaScript, HTML, CSS, SQL
- Web Development: Nuxt, Apache, NGINX, Lighttpd, WordPress
- Cybersecurity & Cryptography: SSL/TLS, RSA, bcrypt, AES, SHA, PGP
- Networking: TCP, UDP, BGP, EVPN, IPv4, VPNs, proxies, routing, MAC addressing
- DevOps & Virtualization: Docker, Proxmox, VMware, QEMU, XCP-NG
- System Administration: Active Directory, Windows Server, Linux
- Version Control: Git (Collaborative Development)

WORK EXPERIENCE

- Endeavor IT – November 2023 – December 2025

  Programming Intern

  - Built an internal website in Nuxt to help managers with approving timesheets, help HR with PTO accrual and viewing support tickets.
  - Created a program to listen for new support tickets and search through every support ticket entered to find related tickets and uses AI to generate a possible solution for the ticket based on what was done in the past.
  - Implemented n8n AI workflow automation.

EXPERIENCE

- Lead programmer for the FIRST Robotics Team 1501
- Worked with many complex embedded systems using several different ESP32 chips with ESP IDF, as well as Arduino.
- Collaborated with a team to develop software for the BSides Fort Wayne interactive name badges
- Developed a decentralized automated firework ignition system using custom circuit boards with ESP32 chips
- Webmaster for National Airmail Museum