Alex Chau Nguyen

Knoxville, TN 37918 – USA

📱 (714) 728-7191 • ✉ alex.c.nguyen93@gmail.com • 🌐 Portfolio • in Alex Nguyen

Highly motivated and detail-oriented IT professional with an active security clearance and a strong foundation in systems administration, networking, and cybersecurity. Proficient in multiple programming languages and experienced in developing automation tools, scripts, and applications that improve efficiency and strengthen security. Combines hands-on IT expertise with software development skills to deliver scalable, reliable, and secure infrastructure solutions.

Technical Skills

Programming: C++, C, C#, Python, JavaScript, TypeScript, SQL, HTML, CSS, RISC-V

Systems: Linux/Unix, Windows Server, Active Directory, RHDS10/IDM, PKI (Venafi), SCADA

Networking: Routers, Switches, Firewalls, TCP/IP, VPNs, DNS, DHCP

Automation & Tools: PowerShell, Bash, Ansible, Terraform, Git/GitHub, RESTful APIs, Postman

Frameworks: React, Node.js, .NET, Bootstrap, jQuery

Experience

Tennessee Valley Authority   **Knoxville, TN**
System Administrator / Computer Technician   *Jan 2025–Present*

- Administered endpoint devices and SCADA power grid databases, leveraging SQL for efficient queries and data integrity.
- Built operator dashboards in Display Builder to improve system visualization and situational awareness.
- Automated workflows with scripts and documentation to support compliance, security, and long-term maintainability.
- Collaborated with developers and engineers to ensure secure, documented, and compliant deployments across environments.

Tennessee Valley Authority   **Knoxville, TN**
Identity & Access Management Engineer   *2023–2025*

- Automated cross-server configuration and infrastructure provisioning using Ansible and Terraform.
- Developed PowerShell tools for Active Directory administration, access auditing, and compliance monitoring.
- Integrated Venafi APIs for automated certificate enrollment, renewal, and revocation across IIS, Apache, Tomcat, and WebSphere, strengthening PKI security posture.
- Administered RHDS10 and IDM, configuring sudo and HBAC policies to enforce least-privilege and access control standards.

U.S. Army
Information Technology Specialist (T3 Security Clearance—Active)   *Jan 2022–Jan 2025*

- Administered and maintained servers, networks, and computing systems (routers, switches, endpoints) to ensure reliable operations.
- Provided technical support across hardware, software, and networks while training personnel on system use and IT best practices to enhance operational readiness.

U.S. Army
Horizontal Construction Engineer   *Dec 2018–Dec 2022*

Planned and executed horizontal construction projects in support of military operations, including manpower allocation, equipment planning, and coordination of resources.

Certifications

AWS Certified Cloud Practitioner | AWS Knowledge: Architecting | AWS Cloud Quest: Cloud Practitioner

Education

The University of Tennessee, Knoxville
Bachelor of Science in Computer Science
GPA: 3.97/4.0

Awards & Achievements

Military: NATO Medal; Army Achievement Medals (x2); Afghanistan Campaign Medal (w/ star); Armed Forces Reserve Medal (M device); National Defense Service Medal; Global War on Terrorism Service Medal; Army Reserve Components Achievement Medal; Good Conduct Medal; Service Ribbon; Army Service Ribbon; Driver and Mechanic Badge