

Jeremy L. Godfrey

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Professional Summary

Experienced IT Project Manager, Cloud Architect, and Network Engineer with over 25 years of diverse experience across advanced network engineering, cloud solutions, cybersecurity foundations, and leadership roles. Proven ability to architect and implement robust, automated network and cloud-based solutions, applying computational and visualization methodologies to effectively address complex technical challenges. Skilled communicator capable of bridging technical and managerial teams to deliver results aligned with organizational goals.

Core Competencies

Project Management & Leadership:

- Cross-functional Team Leadership
- Resource Allocation
- Multi-site Implementation
- Multi-service provider coordination

Cloud Architecture & Engineering:

- Google Cloud (Cloud Run, Firebase, CI/CD Automation)
- AWS Fundamentals
- Docker & Containerization

Network Engineering & Automation:

- Cisco IOS & Network Protocols (MPLS, IPv6, BGP, OSPF, EIGRP)
- Network Automation (Python scripting)
- SNMP, VLAN Management

Data Visualization & Computational Solutions:

- Python, Flask, d3.js
- MongoDB
- Sensory Data Visualization (Air Quality Monitoring)

Cybersecurity Foundations:

- Firewall & Network Security Practices
- Previously maintained compliance with DoD STIG guidelines
- Familiarity with cybersecurity methodologies

Professional Experience

Network Engineer | Koch Foods (Sep 2022 – Mar 2025)

- Architected automated network management and asset tracking solutions deployed across 55+ sites, using Python scripts for real-time retrieval of network details and managing configurations within MongoDB.
- Developed interactive visual dashboards (Flask/d3.js) providing real-time dynamic network mapping, significantly reducing troubleshooting time.
- Implemented CI/CD pipelines to automate deployments, reduce errors, and enhance operational efficiency.
- Planned site fiber projects to ensure facilities were in place for growth.
- installed and configured Cambium as well as Cisco wireless point to point solutions in locations where fiber was not feasible.
- Coordinated with contractors and/or on site staff to manage projects to turn up and acceptance.

Technology Specialist | ArmorTech (2018 – Present, Project-based)

- Delivered tailored IoT, networking, and HVAC solutions for residential and small business clients, employing secure network design, remote management, and advanced troubleshooting techniques.

- Developed Python-based visualization platforms integrating sensor data for real-time air quality monitoring, enhancing environmental insights.
- Architected and implemented web-based applications (**P3DB**, **GemTrakr**) utilizing Flask, Docker, Firebase Firestore, and Google Cloud Services (Cloud Run, CI/CD), delivering robust inventory tracking, data analytics, and asset-management capabilities.
- Leveraged computational techniques and scripting automation (Python, Flask) to streamline data management, visualization, and cloud deployments.
- Advanced cloud capabilities utilizing Google Cloud Services, initiating exploration into AWS cloud solutions.
- Initiated exploration and hands-on training with AWS cloud solutions, broadening expertise in multi-cloud environments.

IT Specialist / Project Manager | Department of Defense – Anniston Army Depot (2005–2017)

- Architected initial integration of manufacturing control and CNC equipment networks into DoD NIPRNet, applying rigorous cybersecurity standards and enhancing visibility into previously isolated systems.
- Instrumental in identifying and mitigating critical wastewater management vulnerabilities, improving compliance, safety, and operational efficiency.
- Spearheaded virtualization projects transitioning legacy IT systems, substantially reducing costs and increasing reliability.
- Directed disaster recovery initiatives, establishing hot-site configurations for mission-critical operations ensuring cybersecurity compliance.
- Led multi-disciplinary teams ensuring regulatory compliance and strategic alignment.

Sales Technical Assistance Team Manager | ITC^Deltacom – Huntsville, AL (2004–2005)

- Managed Tier 3 engineering support teams for complex networks utilizing BGP, OSPF, and VoIP technologies.

Regional Pre-sales Engineering Manager | ITC^Deltacom – Dothan, AL (1999–2004)

- Designed WAN solutions, managed client transitions, and coordinated cross-departmental teams.

IT Analyst | Sylvest Farms – Montgomery, AL (1998–1999)

- Maintained LAN/WAN infrastructure and oversaw data center operations.

LAN Engineer | Gulf States Steel – Gadsden, AL (1996–1998)

- Supported campus-wide IP networks and integrated systems with industrial manufacturing equipment.

Military Experience

Alabama Army National Guard (Retired Sergeant First Class, 1994–2018)

- Critical role in establishing a Group Support Battalion (GSB), setting up leadership structures, and defining operational processes.
- Managed logistical assets, mission planning, and comprehensive logistical operations.
- Implemented asset tracking systems for real-time visibility of rolling stock and mission-critical equipment.
- Managed tactical communications, training, logistics, and compliance, maintaining high operational readiness.
- Served as Communication NCO in theater, responsible for secure command communications under resource constraints; managed cryptographic materials and adapted plans to evolving battlefield conditions.

Notable Projects

- **Automated Network Visualization Platform:** Developed backend automation and visualization for multi-site networks using Python, MongoDB, Flask, and d3.js.
- **CI/CD Pipeline Integration:** Streamlined application updates via robust CI/CD pipelines using GitHub Actions and Google Cloud.
- **ArmorVault Password Manager:** Secure cloud-based password management built with Python, Docker, and Google Cloud Run.
- **Air Quality Monitoring Visualization:** Real-time environmental analytics platform using Python and sensory data.
- **GemTrakr:** Cloud-based asset management and analytics platform developed with Flask, Docker, Firebase Firestore, and Google Cloud Services.

Education & Certifications

- Bachelor of Science, Interdisciplinary Studies
Computational Science, Business Administration, Minor: Information Systems
Liberty University
- Previously held certifications: Sun Solaris Systems Administration, VMware VCP, Microsoft MCITP/MCSA, Security+, Oracle DBA. Actively preparing to test for Cisco CCNA.

Skills & Motivations

- Passionate about networking, cloud technology, leveraging computational methods for innovative problem-solving and artificial intelligence.
- Driven by continuous learning, regularly updating skills in emerging technologies and industry best practices.
- Highly motivated by complex networking challenges, data visualization, and efficient solutions delivery.