Charles Bucher

📞 727-520-5966 | 📧 Quietopscb@gmail.com | 🌐 github.com/Tommy813-lab | 🌍 Pinellas Park, FL | Open to Remote Roles

# Professional Summary

Cloud Infrastructure Engineer with hands-on experience in architecting, deploying, and securing production-grade AWS environments. Expert in Infrastructure as Code (Terraform), cloud monitoring, and proactive infrastructure maintenance. Proven ability to build scalable, secure, and cost-efficient cloud solutions with a strong focus on automation and documentation.

# Core Skills

AWS (EC2, S3, IAM, CloudFront, VPC, CloudWatch, SNS, Lambda) • Terraform & IaC • Linux Administration • Git & GitHub Actions • Network Design & Security Groups • CI/CD • Cloud Monitoring • Python & Bash Scripting • Infrastructure Hardening • Incident Response

# Highlighted Projects

* \*\*EC2 WebApp with S3 Backend\*\*

• Deployed a secure EC2-hosted web application serving static assets from S3 with CloudFront CDN.  
• Configured HTTPS using ACM and Route 53 for global reliability and performance.  
• Created automation scripts for zero-downtime updates and backups.

* \*\*Multi-Tier Network Simulation (AWS + Terraform)\*\*

• Designed a three-tier AWS VPC architecture with isolated subnets and NAT gateways.  
• Automated deployments with Terraform modules for consistency and scalability.  
• Implemented IAM least privilege access and network ACLs for enhanced security.

* \*\*Proactive Monitoring with CloudWatch + SNS Alerts\*\*

• Configured custom CloudWatch metrics and SNS alerts to monitor infrastructure health.  
• Deployed CloudWatch Agent across EC2 instances for OS-level monitoring.  
• Built dashboards to visualize metrics for proactive maintenance.

* \*\*Secure Static Website Hosting (Portfolio Site)\*\*

• Created a secure static website hosted in a private S3 bucket with CloudFront CDN.  
• Enforced HTTPS with AWS ACM and used Origin Access Control for privacy.  
• Optimized costs while maintaining high performance for global access.

# Professional Experience

* Independent Cloud Infrastructure Engineer | GitHub Projects — Remote | 2024 – Present

• Designed, implemented, and maintained AWS infrastructure for portfolio and lab projects.  
• Developed Terraform modules to provision secure and scalable environments.  
• Built monitoring dashboards, alert systems, and detailed project documentation.  
• Demonstrated expertise in cloud security, network architecture, and automation.

* Delivery Driver | Various Platforms | 2016 – 2024

• Managed time-critical deliveries and route optimization across Tampa Bay.  
• Maintained strong customer relationships and reliability under pressure.  
• Demonstrated discipline, problem-solving, and operational efficiency.

# Education & Certifications

• Self-Taught Cloud Engineer — AWS, Terraform, Linux, Security, CI/CD (GitHub Projects)  
• AWS Cloud Practitioner (In Progress)  
• CompTIA Security+ (Planned)

Portfolio: https://tommy813-lab.github.io | LinkedIn: linkedin.com/in/charles-bucher-26598728b