

# Tyler Banerjee

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## SUMMARY

Experienced network security engineer with over five years of experience in developing and maintaining secure environments. Proficient in cloud solutions, particularly GCP and Zscaler. Known for effective collaboration with cross-functional teams to implement strategic technology roadmaps that enhance operational efficiencies. Committed to delivering high-quality support while providing training to foster team development. Expertise encompasses a robust technical foundation paired with strong operational insights which drive enhancements in both system performance and user satisfaction.

## EXPERIENCE

### Network Security Engineer

January 2022 - Present

Tech Innovations Inc.

Jackson, MS

Oversee network security operations by designing security protocols utilizing Palo Alto and Zscaler solutions. Lead initiatives to enhance system security across multiple environments. Collaborate closely with engineering teams targeting improved GCP security integration.

- Designed and implemented advanced security protocols with Palo Alto and Zscaler, ensuring compliance and seamless functionality.
- Conducted thorough evaluations of existing network frameworks, resulting in action plans that improved overall performance and align with industry standards.
- Integrated GCP security appliances effectively while collaborating with cloud engineers to improve service delivery quality and efficiency.
- Developed innovative automation scripts using Terraform and Ansible, successfully reducing firewall setup time while increasing deployment reliability.
- Facilitated expert training sessions for junior engineers, contributing to skill enhancement and knowledge sharing within the technology team.
- Managed complex troubleshooting processes for critical network incidents, achieving a significant reduction in response times and improving service reliability.

### Network Security Analyst

June 2019 - December 2021

Cyber Solutions Group

Hattiesburg, MS

Contributed to evaluating and enhancing existing security architectures. Engaged in hands-on initiatives focused on GCP-related projects, yielding substantial improvements in network security compliance and performance.

- Assisted in assessing network security designs, leading to actionable recommendations that aligned with organizational goals and improved outcomes.
- Participated in engineering efforts for GCP-focused projects, notably VPC design and strategy, bolstering the organization's cloud security posture.
- Implemented proactive measures based on best practices, realizing an increase in network uptime and customer satisfaction.
- Provided crucial last-tier support conducting root cause analyses, establishing preventative strategies that thoroughly addressed potential risks.
- Maintained meticulous documentation of network configurations, facilitating regulatory compliance and ensuring representational accuracy.
- Engaged in department-wide initiatives to elevate overall organizational operations and enhance client-oriented service delivery.

## LEADERSHIP & AWARDS

- Dean's List, University of Southern Mississippi (2024, 2025)
- Winner, Cybersecurity Challenge (2025)

## EDUCATION

### Bachelor's Degree in Information Technology

2026

University of Southern Mississippi GPA: 3.5

Hattiesburg, MS

**Coursework:** Network Security, Cloud Computing, Systems Architecture, Cybersecurity Fundamentals

## CERTIFICATIONS

- Google Cloud Professional Cloud Network Engineer 📅 2026
- Palo Alto Networks Certified Network Security Engineer 📅 2026

## TECHNICAL SKILLS

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- **Network Security Tools:** Palo Alto, Zscaler, Check Point
- **Cloud Platforms:** Google Cloud Platform, Azure, AWS
- **Automation Tools:** Terraform, Ansible, Puppet
- **Monitoring Solutions:** Splunk, Wireshark, Nagios
- **Communication Tools:** Slack, Microsoft Teams, Zoom
- **Documentation Standards:** Markdown, Confluence, Visio
- **Scripting Languages:** Python, Bash, PowerShell
- **Firewalls & Proxies:** Palo Alto, Fortinet, Barracuda
- **Version Control:** Git, GitHub, Bitbucket
- **Compliance Frameworks:** NIST, ISO, SOC 2

## SKILLS

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- Network Security
- Palo Alto Firewalls
- Ansible
- Troubleshooting
- Google Cloud Platform
- Infrastructure as Code
- Cloud Security
- Team Training
- Zscaler
- Terraform
- Automation

## PROFESSIONAL AFFILIATIONS

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- Member, Cybersecurity Club, University of Southern Mississippi
- Volunteer, Local Tech Community Workshops

## LANGUAGES

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- English (Native)
- Spanish (Intermediate)

## ADDITIONAL INFORMATION

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**Work Status** : Authorized to work in United States. No sponsorship required.

## REFERENCES

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AVAILABLE ON REQUEST