

# Anthony Castleberry

## Cloud Infrastructure & Systems Engineer

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**LinkedIn**- <http://www.linkedin.com/in/anthony-castleberry-IT>

**ePortfolio**- <https://anthonytechblog.com> **GitHub**- <https://github.com/ancascyber>

### PROFESSIONAL SUMMARY

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Cloud and Infrastructure Engineer with over a decade of enterprise experience across AWS, Azure, and on-premises environments. Independently designs and delivers production-grade solutions spanning serverless APIs, CI/CD pipelines, infrastructure-as-code, and security monitoring, with a focus on architecture decisions that hold up under real operational conditions. Additional depth in security compliance and GRC.

### CERTIFICATIONS

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**AWS Certified Solutions Architect Associate** — AWS

**AWS Certified Cloud Practitioner** — AWS

**Microsoft Certified: Azure Fundamentals** — Microsoft

**CompTIA Security+** — CompTIA

**CompTIA Network+** — CompTIA

**CompTIA A+** — CompTIA

(In Progress) **Microsoft Certified: Azure Administrator Associate (AZ-104)** — Microsoft

### TECHNICAL SKILLS

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**Cloud & Infrastructure:** AWS · Azure · VMware · Terraform · Docker · IaC

**Systems & Networking:** Windows Server · Linux · Active Directory · WAN/LAN

**Automation & Scripting:** Python · PowerShell · SQL · Git

**Security & Compliance:** Splunk · Microsoft Sentinel · EDR/SOAR · NIST 800-53 · IAM

### PROFESSIONAL EXPERIENCE

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#### **Independent IT Consultant and Professional Development** • 2025 – Present

- Designed and deployed a serverless Sentiment Analysis API on Azure using Azure Functions (Python 3.11), Azure AI Language, and Azure API Management, with all infrastructure provisioned as code via Terraform — enabling businesses to track customer opinion and product popularity through automated review scoring
- Architected and deployed a serverless inventory data API on Azure using Python and Terraform, integrating API Management, Logic Apps, and Application Insights to retrieve and surface mock inventory records end-to-end
- Deployed containerized applications on AWS Elastic Beanstalk, building CI/CD pipelines to automate and accelerate the release process.
- Provisioned cloud infrastructure using Terraform — covering S3 storage, a static web app with ChatGPT integration, and supporting architecture diagrams in Lucidchart.
- Automated Windows Event Log ingestion into Azure Log Analytics via PowerShell, centralizing monitoring and simplifying reporting workflows.
- Implemented Azure Sentinel workbooks to surface and track global RDP brute-force activity, improving overall security visibility.

## **Career Break – Family Estate Responsibilities • 2024–2025**

Managed probate and administrative matters for family estates while completing AWS Cloud Practitioner and AWS Solutions Architect Associate certifications.

## **Tungsten Automation | Managed Service Provider**

### **Business Development Manager – Technical Service Delivery • Aug 2022 – Feb 2024**

- Developed detailed SOWs and technical documentation to support scoping and client engagement, tracked through Salesforce CRM.
- Improved client responsiveness by cutting SOW turnaround time 67% through standardized workflows and templates.

### **Enterprise Infrastructure Engineer • Jan 2012 – Aug 2022**

- Served as North American SME for Ernst & Young's enterprise cost recovery implementation, leading Equitrac and MFP software installation and integration across hybrid on-prem and cloud server environments, with backup coverage spanning EMEA and APAC.
- Collaborated on the design and led deployment of highly available Windows and Azure server environments ranging from single-site deployments to enterprise-scale implementations exceeding 500 servers, 8,500 MFDs, and 100,000 users globally.
- Migrated enterprise cost recovery servers across Microsoft Server versions with zero downtime, reducing standard migration time **25%** through scripting and repeatable deployment practices.
- Conducted discovery and collaborated on designs across 50+ infrastructure projects, reducing implementation time by **20–25%** per project.
- Developed client-specific documentation using live system captures, eliminating the need to redact sensitive data and ensuring training materials exactly matched end-user environments — significantly reducing support questions from non-technical staff.

## **General Motors – OnStar Advanced Systems Development | Detroit, MI**

### **Desktop Support & Active Directory Administration • 2010 – 2011**

- Served as one of the Active Directory administrators for the OnStar division at GM headquarters, managing accounts, group policies, and access controls for 500+ users across 1,000+ workstations and laptops.
- Provided desktop support and Linux server monitoring in a 24/7 operational environment, performing OS installations and system restorations to maintain continuity across the division.

## **EDUCATION**

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### **Bachelor of Science – Information Technology / Computer Science**

Capella University – Minneapolis, MN | Relevant coursework: Enterprise Administration, Networking Architecture, Server Infrastructure

### **Information Technology Fundamentals**

Global Information Technology – Lathrup Village, MI | CompTIA certification prep coursework

## **HOME LAB & INFRASTRUCTURE**

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Dell PowerEdge R730 · Proxmox · VMware vCenter · Docker/Portainer · Synology NAS · Veeam · Raspberry Pi Cluster · pfSense Firewall · TP-Link VLAN Switch