# Justin Carter

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## Professional Summary

Cloud infrastructure engineer building secure, automated AWS environments using Terraform and identity-based CI/CD. Experience designing self-healing infrastructure, implementing least-privilege IAM, and eliminating long-lived credentials via OIDC federation. Background in systems integration, Linux hardening, and distributed APIs. AWS Solutions Architect – Associate, Security+, and CCNA certified.

## Certifications

AWS Certified Solutions Architect – Associate (2025–2028)
CompTIA Security+ (2025–2028)
Cisco Certified Network Associate (CCNA) (2025–2028)
AWS Certified Cloud Practitioner (2022–2028)

## Technical Skills

**Cloud Platform:** AWS (EC2, IAM, VPC, CloudWatch), Terraform, Infrastructure as Code
**CI/CD & Automation:** GitHub Actions, OIDC federation, Secure pipeline design
**Identity & Security:** IAM least privilege, Secretless authentication, Linux hardening, Network security
**Systems:** Linux, Nginx, DNS, TCP/IP networking
**Programming:** Python, JavaScript, REST APIs, Bash

## Experience

**CAMP Systems International, Inc.**                                      Aug 2023 – Present

(Inventory Locator Service subsidiary from Aug 2023 – Nov 2025)

**Business Solutions Developer II**                                       Nov 2025 – Present

- Design and automate workflows and integrations across ERP and CRM platforms.
- Improve operational reliability and reduce manual processes through automation.
- Troubleshoot complex API and distributed system integrations.
- Support secure access controls and configuration management.

**Technical Support Specialist II**                                       Sep 2024 – Nov 2025
**Technical Support Specialist I**                                        Aug 2023 – Sep 2024

- Primary technical owner for API integrations between ilsmart.com and third-party ERPs.
- Diagnosed and resolved system-to-system integration failures.
- Designed and implemented Zendesk automation workflows.
- Supported high-availability aviation eCommerce platform (Oro, Google Cloud, Kafka).
- Acted as escalation point for API and infrastructure issues.

## Selected Infrastructure Project

**Secure, Self-Healing AWS Infrastructure (Terraform + OIDC)**

- Designed and provisioned AWS infrastructure using Terraform (Infrastructure as Code), including VPC networking, IAM roles, and Auto Scaling Group for automated instance recovery.
- Implemented self-healing single-instance architecture with health checks and automatic replacement.
- Automated full server bootstrap using cloud-init with hardened Linux baseline (SSH key-only auth, root login disabled, UFW, fail2ban, unattended updates).
- Configured Nginx with automated TLS (Let's Encrypt) and integrated CloudWatch monitoring and metrics.
- Built secure CI/CD pipeline with GitHub Actions using OIDC federation (no long-lived AWS credentials).

## Education

Master of Science in Accounting – University of Memphis
Bachelor of Arts in English – University of Tennessee