

Anthony DeCarlo

tonydecarlo11@gmail.com | github.com/tonydecarlo | Baltimore, Maryland, 21224

PROFESSIONAL SUMMARY

Full-stack software engineer with 7+ years architecting cloud-native applications for government and commercial clients. Specialized in AWS serverless architecture, threat intelligence systems, and DevSecOps. Proven track record delivering production features, leading infrastructure initiatives, and managing teams in agile environments.

SKILLS

Coding: Python, JavaScript, Golang, Java, C#, C, C++, Bash

Web Development: React.js, Vue.js, Redux, Node.js, Express.js, HTML5, CSS3

Databases: DynamoDB, PostgreSQL, MongoDB, MySQL, MariaDB

DevOps: AWS, Docker, Kubernetes, GitLab, Jenkins, Ansible, Terraform, Splunk, PagerDuty

Testing: Pytest, Postman, Apidog, Cypress, Jest

Version Control: Git, Team Foundation Server

Operating Systems: macOS, Linux, Windows

EXPERIENCE

Software Engineer

February 2022 - October 2025

Clarity Innovations

Remote Work

- Architected and delivered 95+ production features for CyberAPI threat intelligence platform using Python, AWS Lambda, and DynamoDB, supporting real-time IP threat analysis for enterprise clients
- Built comprehensive API Gateway HTTP integration and workload scheduling system using AWS SQS, enabling asynchronous processing of 1,000+ concurrent threat intelligence queries with 99.9% uptime
- Developed correlation, maliciousness, and confidence scoring algorithms for IP analysis, integrating data from multiple threat intelligence sources (Shodan, AbuseIPDB, Criminal IP) to provide actionable security insights
- Implemented CVE/KEV vulnerability reporting system with CVSS scoring, identifying and exposing Medium-Critical severity vulnerabilities across 100+ ports and services
- Led infrastructure modernization, migrating 15+ Lambda Terraform modules to modular architecture with tag-based deployments, reducing infrastructure provisioning time from days to hours
- Designed and implemented CI/CD pipelines using GitLab with pytest integration, achieving 90% automated testing coverage across 15 lambdas and reducing deployment failures by 30%
- Established LocalStack development environment for local AWS resource simulation, reducing cloud testing costs by 75% and accelerating development feedback loops
- Collaborated with cross-functional teams (Product, UI, Apps) across 90+ sprint cycles, consistently delivering on-time with 95% sprint commitment accuracy

Senior Technical Analyst

January 2018 - January 2022

Tier 1 Consulting Group

Remote Work

- Created, maintained, and deployed full-stack web applications for both government contracts and internal projects
- Led team of 5 developers through complete SDLC of employee timecard software project, delivering on schedule with zero critical defects in production
- Database administrator for 20 AWS RDS, 10 MongoDB, and 10 AWS Redshift instances
- Built Terraform modules and Ansible roles for new infrastructure
- Implemented security tools to monitor code vulnerabilities, dependencies, containers, and IAC
- Used Jenkins jobs and Shell scripts for automating day-to-day activities
- Owned alerts for all environments and act as point of contact for incidents

EDUCATION

Bachelor of Science, Computer Science

May 2018

Track: Computer Security

Towson University, Towson, MD

GPA: 3.65