Cameron Cooper

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SUMMARY

Results focused Security Engineer with 5 years experience conducting security reviews, developing applications, and hacking. In my most recent position I worked as a Senior Security Engineer leading the CVS Health/Aetna Health Security Operations team where I supported over 3000 engineers and maintained security for all CVS Health/Aetna Health products.

EXPERIENCE

Senior Security Engineer
CVS Health/Aetna Health   **2020 - Present**
• Lead Security Engineer for CVS and Aetna Health Security Operations.
• Created integrations, maintained, and administrated: Datatheorem, OWASP Zap, Checkmarx CxSAST, Prisma Cloud Compute (Twistlock), NexusIQ, Snyk, and Github Advanced Security Suite.
• Built a system for all security tools to be easily configured and managed under a single React application.
• Facilitated Security Reviews, False Positive Reviews, and remediation of security issues.
• Created and maintained secure by default docker images for use downstream in applications.
• Created security automation microservices in python, nodejs, and go.
• Guided over 3000 engineers on docker, python, security, CI/CD, architecture, best practices, reviews, and audits.
• Built, debugged, maintained, and improved ci pipelines/circleci orbs in Jenkins and Circleci.
• Built and integrated a SIEM (ELK) into the Aetna infrastructure.
• Facilitated technical interviews for DevSecOps engineers and Software Security Analysts.
• Collaborated with Governance, Risk, and Management (GRC) to define, implement, and remain in compliance with security controls including controls governed by HIPPA and PCI-DSS.
• Led procurement, testing, and integration of new security products.

Full Stack Software Engineer
Parsons   **2019 - 2020**
• Worked with a clearance on microservices and ETL pipelines for multiple sects of the military.
• Created scalable object recognition microservices for images and videos with Darknet and YOLO.
• Wrote/tested RESTful services with Java and Spring.
• Updated and improved AngularJS front-end applications.
• Scanned and remediated vulnerabilities in our applications with Fortify Static Code Analysis (SAST).
• Developed an automated test suite with Postman/Newman.
• Designed Cloud Data Enrichment pipelines.
• Transformed Natural Language Processing, Data Enrichment, and Import/Export pipelines to production code.

Founder / Software Engineer
Formulated, LLC   **2017 - Present**
• Improved client lead generation conversion rate by 79% that improved revenue by $300k
• Created Full Stack Web Applications for small businesses that converted leads into customers
• Contracted by companies to do security reviews, penetration testing, and audits
• Created maintainable and scalable CI/CD pipelines for timely and secure updates

PROJECTS

Home Server
2019 - Present

• Manage a 30TB Unraid virtualization server/NAS/docker registry for over 40 users.
• Services include: Bitwarden, Nextcloud, Home Assistant, daily offsite backups to Backblaze, reverse proxy, status pages, game servers, over 30+ docker images.
• Maintained under the coop.ninja domain.
• 99.9% Uptime.

Pixel Helper
2019 - Present

• Pixel Helper is a simple open source image aggregator for use in design.
• Created after I found issues with sourcing royalty free high quality images to use as placeholders or in my final designs.
• Technologies: ReactJS, Github Actions, Heroku, Snyk.

Deauthentication Detector
2019 - 2019

• Worked with a peer to create a deauthentication packet detection device.
• Using a Raspberry pi this device detects a deauthentication packet sent across a network and attempts to find information on the source.
• Coded with Python3, Node, MongoDB, Bash and Aircrack-ng.

EDUCATION

Bachelor's of Science in Computer Security
University of Colorado Colorado Springs • Colorado Springs, CO • 2019

CERTIFICATIONS

Certified Ethical Hacker
EC-Council • In Progress
Advanced Web Developer Bootcamp
Udemy • 2018
AngularJS & NodeJS Bootcamp
Udemy • 2018
Modern React with Redux Bootcamp
Udemy • 2018
Full Stack Web Developer Bootcamp
Udemy • 2017

SKILLS

SAST: Checkmarx, Fortify, Github Advanced Security Suite

DAST: OWASP Zap, Data Theorem

SCA: Snyk, Nexus IQ, Github Advanced Security Suite

Container Security: Snyk, Twistlock

CI/CD: CircleCI, Jenkins, Github Actions

Container: Docker, Docker-Compose

AWS: Elastic Beanstalk, Secret Manager, EC2, Elastic Container Registry, Lambda, IAM, dynamoDB, s3, RDS, VPC, Route 53

Python: openCV, Django, Flask

Ruby: Ruby on Rails

Java: Spring

NodeJS: React

Databases: MySQL, PostgresQL, MariaDB, MongoDB

Registries: Nexus Repo, Artifactory, Elastic Container Registry

NIST, OWASP Top 10, CWE Top 25

HIPPA, PCI DSS

Linux Administration

Terraform