



Cameron Woodward

Senior Associate Software Engineer

Charismatic software developer with a background in cybersecurity and automation, adept at implementing and enhancing robust applications and security measures. Experienced with collaborating in cross-functional environments to deliver high-quality solutions and seamless integrations. Regarded as an insatiable learner, always striving to acquire new skills. Seeking challenging work on the frontier of technology.



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(540)-550-5418



Website



GitHub



LinkedIn

Education

2017 - 2021

B.S. in Computer Science

Focal path in Cyber Security

Minor in Business

University of Virginia | GPA 3.7

Certifications

- AWS - Solutions Architect Associate
- SAFe 6 Scrum Master

Skills

- API Development
- Software Automation
- Algorithms & Data Structures
- Testing & Debugging
- Agile, Scrum & Kanban
- Problem-Solving
- Critical Thinking
- Adaptability
- Teamwork

Volunteerism

- Certified Interviewer
- Professional Development Coaching
- Code Tutoring

Professional Experience

Senior Associate Software Engineer

Capital One

AUG 2022 - PRESENT

McLean, Virginia

Develop and employ myriad technical skills in two distinct rotational experiences, managing vulnerabilities to strengthen security posture and adding features to enhance platform capabilities

- Automate AWS infrastructure and vulnerability scanning via Qualys and AquaSec
- Create MasterCard APIs using GoLang to increase virtual card creation resiliency
- Implement lambda functions to gather metrics from 100k EC2s during scale/stress test
- Migrate registry scanning infrastructure to production using Kubernetes and Fargate
- Code and maintain Bash scripts embedded as cron jobs in company-wide AMLs
- Identify and remediate enterprise-wide vulnerabilities to augment security
- Build dashboards in Splunk and New Relic to monitor container health and performance
- Lead stand-up, retro, and refinement meetings as a SAFe certified scrum master

Software Developer

CGI Federal

AUG 2021 - AUG 2022

Fairfax, Virginia

Architected a financial planning and tracking application for the Department of State by integrating custom C# plug-ins with Microsoft Power Platform to streamline budgetary reporting.

- Designed application UI, utilizing Power BI to create data visualization models
- Automated infrastructure creation with Puppet Bolt to efficiently deploy applications
- Remediated issues through incident analysis, script development and upgrade support
- Collaborated using GitHub and Confluence, managing tickets and sharing documentation

Software Developer Intern

Bluestone Analytics

JAN 2021 - MAY 2021

Charlottesville, Virginia

Engineered python web scrapers to gather data from dark web sites, working in conjunction with multiple federal agencies to find and persecute cyber criminals.

- Bypassed CloudFare security using JavaScript fetch to get HTML to scrape
- Integrated AWS S3 buckets with Kibana to search and analyze scraped data
- Generated fake browsers with Selenium to systematize captcha breaking
- Leveraged PGPpy Python library to parse PGP keys and map them to threat actors

Technical Expertise

Programming Languages: *Experienced* - Python | Bash | Go | Java *Familiar* - C++ | C# | SQL

Tools: Jira | AWS | GIT | Nmap | Wireshark | Jenkins | SSH | Qualys | Docker | Kubernetes | AquaSec | JUnit | Postman

Operating Systems: Windows | MacOS | Kali | Mint | Ubuntu | CentOS | RHEL | AL2

Frameworks & Libraries: Scrapy | Spring | Netty | Django | Maven | Gradle | Numpy | Pandas | Matplotlib | Heroku | Tensorflow