

Grant Thomas

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Portfolio: github.com/Grantgthomas.github.io

PROFESSIONAL SUMMARY

I am an Application Security Engineer with 5+ years of experience securing software applications and enabling secure development practices. Proficient in SAST, DAST, SCA, and IaC tools, with a strong background in Kubernetes, AWS, and CI/CD pipelines. Skilled in threat modeling, code reviews, and automating security processes to reduce risk and improve efficiency. Passionate about empowering engineering teams to build secure, scalable solutions.

SOFTWARE EXPERIENCE

Application Security Tools: Kali Linux, Acunetix (DAST), Mend (SCA), CheckMarx (SAST), IriusRisk, Wiz, Prisma Cloud, Grafana Loki (Logging), Sumo Logic (Logging), Burp Suite, Tenable Nessus, VMWare Workstation
Cloud & DevOps: Kubernetes, Git, Terraform, Docker, AWS, VS Code, Postman, Jira, Trello
Programming Languages: Shell script, Python, Golang, Powershell, Java, Javascript, C#, C, SQL, MongoDB, HTML, CSS
Frameworks & Standards: NIST 800-53 Rev.5, HIPAA, Mitre ATT&CK Framework

PROFESSIONAL EXPERIENCE

Product Security Engineer

May 2023 – Present

Avalara

New York, NY

- **Application Security Tooling** - Implemented and managed SAST (CheckMarx), DAST (Acunetix), and SCA (Mend) tools to identify and remediate vulnerabilities across the SDLC.
- **Kubernetes Security** - Migrated a DAST scanner application to Kubernetes, automating deployment through CI/CD pipelines and reducing annual infrastructure costs by 20%
- **Developer Collaboration** - Provided remediation guidance and training to 100+ developers for findings from SAST, DAST, and SCA tools, improving secure coding practices and assisting in reducing vulnerabilities across the organization.
- **Automation** - Reduced DAST onboarding time by 90% through CI/CD pipeline automation and eliminated manual processes for security tool offboarding.
- **Release Security** - Ensured 50+ production releases were free of vulnerabilities by onboarding applications to security tools and enforcing the use of approved “golden images.”

Senior Cybersecurity Consultant

Aug. 2020 – May 2023

Crowe LLP

Dallas, TX

- **Threat Modeling** - Designed and led a threat modeling program, identifying 50+ novel threats and implementing controls to mitigate risks across enterprise applications, reducing potential attack surfaces by 35%.
- **Application Risk Assessments** - Conducted comprehensive risk assessments for web applications, ensuring compliance with NIST 800-53 and HIPAA frameworks.
- **Password Security** - Automated the identification of weak passwords in Active Directory, streamlining cybersecurity assessments and reducing client engagement time by 10%

EDUCATION

Purdue University

B.S. in Cybersecurity

West Lafayette, IN