
CLIFF DUFFEY

Alexandria, VA | 410-919-3050 | cliff.duffey@pm.me
<https://www.linkedin.com/in/cduffey> | <http://github.com/hcduffey>

Software Engineer

Cybersecurity engineer turned web developer, motivated by the desire to start building software instead of breaking it. Driven to apply my security-focused mindset towards protecting user data and ensuring privacy in developing software that users love.

Skills

Technical Skills: Node | Express | ReactJS | HTML | CSS | Javascript | Vulnerability Assessments | Azure | Kubernetes | MongoDB | Linux | Windows

Operational Skills: Large-Scale Projects | Secure SDLC | System Administration & Integration | Complex Problem-Solving | MVC Pattern | Responsive Design | Identity, Credential, and Access Management (ICAM) | Agile Development/Scrum

Projects

Sixty-Three

A full stack application that allows users to track which Nation Parks they've visited, rate and comment on them, as well as view other users profiles. Designed using ER diagrams and Figma for wireframes, and implemented with JavaScript, Express, MongoDB, CSS and HTML.

Candyland

The classic board game created using JavaScript (jQuery), HTML and CSS.

Professional Experience

Software Engineering Immersion

March 2022 - June 2022 (Anticipated)

General Assembly | Remote

- Engaging in a 13 week, 500+ hour software engineering immersion program gaining experience in front-end and back-end programming and best practices.
- Developing web applications from ideation (wireframes, ERD, user stories) to execution (deploying SPAs and RESTful APIs) utilizing Javascript/React, Python, Node/Express and Git/Github for version control

Project Lead

September 2021 - January 2022

Qbase, LLC | Chantilly, VA

Managed a team of engineers supporting the Identity Management System (IdM) and Single Sign-On (SSO) solutions for a DoD customer.

- Directed a team of six engineers with problem resolution and ensured customer satisfaction with the with the operations and maintenance of the their Identity Management solutions
- Provided technical expertise to manage the design, develop, configuration, test, and deployment of enhancements to the SailPoint IIQ, SiteMinder, and planned CyberArk Privileged Access Management (PAM) system

Cybersecurity Lead

September 2020 - September 2021

General Dynamics Information Technology (GDIT) | Falls Church, VA

Managed all cybersecurity tasks to support the secure development and deployment of an Enterprise DoD Identity, Credential, and Access Management (ICAM) service, leading architectural security analysis and supporting the overall design and implementation of the system.

- Planned and managed resource allocation for cybersecurity activities in each sprint in an agile systems development methodology using Gitlab

- Provided technical guidance to engineering team on security controls design and implementation for the ICAM implementation based on the National Institute of Standards and Technology (NIST) 800-53 controls framework

Independent Consultant

February 2015 - September 2020

*Harl C Duffey, LLC. | Alexandria, VA**Performed security assessments over for mobile and web applications using automated static and dynamic analysis tools, pen-testing and scanning tools as well as manual code reviews.*

- Performed threat modeling, manual code reviews, and vulnerability testing for a custom ASP.NET Core web application hosted in Microsoft Azure
- Developed user stories based on the NIST 800-53 security controls framework, guaranteeing that required security features were identified and integrated into the team's agile development methodology
- Defined and validated mobile app security requirements using Mobile Security Framework (MobSF) and manual source code reviews for a SDK to help developers build iOS/Android medical apps within DoD
- Performed vulnerability assessments using Nessus, Qualys, Burp Suite and OWASP ZAP tools

Senior Data Security Analyst

February 2014 - February 2015

*Science Applications International Corporation (SAIC) | Arlington, VA**Performed security validation testing, and contributed to remediation activities to mitigate vulnerabilities.*

- Designed and implemented a centralized audit solution over three months to aid in the analysis of operating system, database, and application security logs
- Enhanced software security over one year through integrating threat modeling, web application scanning, and code reviews into the software development process

Additional Experience

Independent Consultant

July 2006 - February 2014

*Harl C Duffey, LLC | Alexandria, VA**Served as an Information Assurance Manager for 32 information systems, guiding the management of all phases of the system accreditation process***Information Security Consultant**

July 2004 - June 2006

*Twm Associates Inc | Falls Church, VA**Served as a member of the Computer Security Group for a civilian agency***Software Engineer**

May 2003 - July 2004

*Georgia Institute of Technology | Atlanta, GA**Developed a website using LAMP stack to support an educational research project*

Certifications

Certified Azure Security Engineer Associate Microsoft	2022
Certified Kubernetes Application Developer Linux Foundation	2022
Certified Information Systems Security Professional (CISSP) ISC2	2006

Education

Bachelor of Science in Computer Science | Georgia Institute of Technology | Atlanta, GA**Software Engineering Immersion** | General Assembly | Remote