

DE'SHAWN MAYNARD

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EXPERIENCE

System Engineer

TerraGo Technologies

September 2023 – Present, Sterling, Virginia, United States

- Delivered customer-centric streetlight utility field solutions, leveraging a JavaScript and GraphQL-based platform to meet specific requirements
- Traveled to customer sites to gather requirements and understand operational use cases as a technical product specialist
- Enhanced IoT device commissioning and field action communication, driving operational efficiency and reliability
- Streamlined data exchange through well-defined API specifications and deployed API gateways for secure access
- **Technologies:** JSON, Git, JQ, SwaggerUI, Postman, AWS, SQL, Python

Security Engineer

E*TRADE from Morgan Stanley

April 2020 – September 2023, Arlington, Virginia, United States

- Provided security as a service to product owners and championed security initiatives and controls early in the SDLC process to "shift left".
- Resolved security issues and implemented secure development best practices with direct guidance to developers
- Led a global security team in assigning, tracking, and reviewing application security assessments in Jira
- Conducted manual penetration tests, identifying and managing the resolution of high-severity security issues
- **Technologies:** Burpsuite, REST API, Jira, Postman, SwaggerUI, BitBucket, Confluence, Jive

Software Development Intern

Metron Aviation

May 2019 – August 2019, Dulles, Virginia, United States

- Developed a Java Spring Controller for real-time processing of third-party API notifications, facilitating seamless integration for full-time developers.
- Created a web application for visualizing aviation route data on Google Earth, improving route planning and operational efficiency.
- Automated log file processing and created a monitoring dashboard, enhancing data accessibility and system performance.
- **Technologies:** Java, Spring Boot, Maven, ActiveMQ, Logstash, Elasticsearch, Kibana

EDUCATION

Bachelor's Degree, Computer Engineering

Minor in Computer Science • Christopher Newport University • Newport News, Virginia • 2019

CERTIFICATIONS

GIAC Web Application Penetration Tester (GWAPT)

SANS • 2021

TRAINING / COURSEWORK

SANS SEC542: Web App Penetration Testing and Ethical Hacking

SANS SEC488: Cloud Security Essentials

PROJECTS

The Odin Project

January 2022 – January 2023

- Developed numerous JavaScript projects to learn and further practice full stack development concepts
- Used Git for version control; see projects at <https://github.com/Duh-Shawn>
- Technologies: Vanilla JS, ReactJS, NodeJS, ExpressJS, Jest, SASS, HTML/CSS, Git, Webpack, npm

Smart Locking Doggie Door

September 2019 – May 2019

- Awarded "Capstone Exhibition Experts Award – Engineering" at the Annual Capstone Fair hosted by Christopher Newport University
- Created an iOS app to control the locking and unlocking functions of a hand-built dog door (Swift, Xcode)
- Established the hardware to software connection through publisher / consumer messaging protocol using MQTT (Eclipse MQTT)
- Technologies used: Swift, Xcode, Eclipse MQTT