

# David Hanlon

Associate Level Software Engineer with ambitions to become part of a high performing software development team, and use experiences in designing software applications and developing testing procedures.

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## EXPERIENCE

### **Cybrary, College Park, MD — Software Engineer**

August 2020 - Present

Collaborate with team members to coordinate large project releases in a timely manner

Assisted in the development of multiple B2B and B2C features including the user goals features for our product application which resulted in improved engagement throughout the platform and lowering our B2C customer churn rate increasing the company's overall revenue and customer retention rate.

Assisted in the entire redesign of the frontend of the product application which provided a more positive user experience for our 3 million+ users.

Improve the product application's accessibility issues which directly resulted in the closing of multiple B2B deals with various government agencies providing additional long term revenue streams for the company.

Implement Tailwind CSS framework to replace Semantic UI in order to improve SEO and the marketing application's build speed which improved users' experience and led to marketing being able to generate more B2C customers.

Help improve architecture of the marketing application by changing information that was fetched from our Content Management System (Contentful) during render to being fetched during build time which resulted in higher seo scores, faster page load times, and improved user experience.

Fix Cumulative Layout Shift (CLS), First Contentful Paint (FCP) and update our browser polyfill configurations to improve seo scores.

### **Stanley Black & Decker, Middle River, MD — Systems Analyst**

August 2019 - September 2020

Conducted junior level full-stack (PostgreSQL, Express, ReactJS, NodeJS) development on Stanley Security's Business to Business (B2B) & Business to Consumer (B2C) E-Commerce applications from August, 2019 to January 2020 which resulted in various enhancements to improve the fulfillment process of orders, flexibility of the application for business to make changes easily through the use of Drupal's CMS, and bug fixes in order to improve the overall user experience of the application.

While conducting Junior level development, I improved the dev-ops practices of the project by effectively communicating to off-shore resources the business's requirements which improved efficiency of sprints.

Helped improve the use of Agile by shortening daily scrum meetings and keeping them on track which increased the team's overall productivity.

Implemented more modern git workflow as well as a peer review system to improve application version control and reduce risk of application bugs and down time.

## SKILLS

NodeJS, ReactJS, NextJS, ExpressJS, Contentful, Tailwind CSS, Semantic UI, MOBx, Material UI, GraphQL, Ionic Framework

PostgreSQL, MySQL, NoSQL, Drupal CMS, Zuora Subscription Integration

Java, Java Spring, Hybris SAP Platform

## AWARDS

**WIN AWARD** "David Hanlon is an Application Web Developer on the Magellan eCommerce Project for Electronic Security. The Project launched May 2019. The Magellan Application represents the first eCommerce application to launch within Stanley Security allowing consumers the ability to purchase professionally monitored and installed security equipment online. This project could not have gone live without David's commitment to quality and excellence. Although he is considered a Jr level app developer, he performed at the level of a Sr. Developer. Every person on this team (Business Partners in Security, IT App Services, IT Business Services and 2 vendors) has commented to me about David's professionalism, knowledge and potential at SBD"

- Barbara Brinson, Director of

Enforced refactoring iterations to improve the applications run/load times which resulted in improved user experience and faster load times.

While a part of the NodeJS project, I simultaneously started onboarding for the Java, Java Spring, & Hybris SAP based E-commerce project for a brief amount of time before the company began its rebadging process.

From February, 2020 to September, I served as a technical resource on our GDPR compliance project by adding, validating & fixing OneTrust and Google Tag Manager implementations across Stanley Security's 20+ European websites which resulted in significantly less financial risk from GDPR audits.

### **Cybrary, Greenbelt, MD — *Software Engineering Intern***

June 2018 - August 2018

Automated the Executive Dashboard using JavaScript and Google technologies and APIs which resulted in reducing errors and increasing productivity among leadership through the elimination of manual entry.

Increased the frequency of the automated Executive Dashboard from monthly to weekly which provided the leadership team with more accurate and timely information on which to act.

Conducted Data Exports for requested customers which resulted in improved customer relations

### **Electronic Transaction Systems, Berlin, MD — *Financial Technology Intern***

June 2017 - August 2017

Most of internship consisted of individual research using online resources such as Udemy and Codecademy learning NodeJS, Ionic framework and hybrid mobile app development practices

Conducted research on competitors for upper management which resulted in more informative marketing decisions

Learned how to use Sketch, and InVision in order to create UI/UX prototypes

Consulted with Software Development team to aid in uncovering any bugs on the company's website, and EMoney virtual wallet mobile application

## **EDUCATION**

### **Towson University, Towson, MD — *Bachelor of Science***

August 2015 - May 2019

I Attended Towson University and where I earned my Bachelor Degree in General Computer Science.

## **PROJECTS**

### **Web Portfolio — <http://davidmhanlon.com/>**

Digital version of my resume built using MERN (MongoDB, ExpressJS, ReactJS, & NodeJS) stack which includes technologies used, work/internship experience, & more.

I.T. Stanley Security Solutions

## **Extracurricular**

Sigma Alpha Epsilon  
Fraternity, MD Alpha Chapter

Towson's Cyber Security Club

Towson's Software  
Engineering Club

Towson's Club Soccer

**NextJS Social Media Demo App** — <https://next-js-social-media-app.herokuapp.com/>

Used React, Express, and NextJS to further enhance my NodeJS development skills in this basic social media application that features login authentication, user profile, user feed, commenting/liking posts, and following/unfollowing other users on the application.

**HackerNext** — <https://hacker-next-dmh.herokuapp.com/>

Just a clone of the HackerNews website with the use of NodeJS, NextJS, React & HackerNews's API.

**Love Calculator** — <https://lovecalculator-bboe8.web.app/>

The "Love Calculator" was a project I worked on during and outside of my internship at ETS to better my skills and knowledge with common Hybrid Mobile App development technologies and practices. Love calculator calculates the "percent love" between two individuals or set of characters by using an algorithm based off of each character's ASCII value.