

Kevin Boyle

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SECURITY CLEARANCE

Active TS/SCI w/ CIP

October 2021 – Present

WORK EXPERIENCE

Booz Allen Hamilton

Software Engineer, Consultant

Chantilly, VA

June 2021 – Present

- Orchestrated the installation and configuration of the Dynatrace software as a potential enterprise and mission-critical monitoring solution. Investigated cost saving tactics.
- Coordinated vendor meetings to understand technical challenges and licensing costs/logistics when migrating more than 700 users from TestRail to Zephyr as an enterprise testing framework, for which I became the technical subject matter expert.
- Evaluated and identified flaws with existing Bash scripts that query an LDAP server to build email distribution lists of roughly 2000 users.
- Improved user outreach by 550% with a Python script that pulled from an LDAP server for application specific distro lists and a platform-wide list. This script was automated with a Jenkins job to output the lists in a CSV format
- Automated help desk procedures of creating Jenkins and BitBucket projects in several environments via REST API with Python scripts triggered by Jenkins pipelines
- Instituted a template with instructions for automating similar "project creation" help desk procedures for future applications with Python and Jenkins using PKI authentication and authorization
- Oversaw and implemented the above-mentioned template to automate the creation/deletion of Sonatype Nexus RM repositories in six environments, which was completed in 75% of the planned time.
- Collaborated with other engineers to stand up an enterprise ELK stack in a Rancher-managed Kubernetes cluster with Terraform, install Metricbeat & Filebeat on 100+ EC2 instances using Chef, and configured PKI access control with Keycloak.

Parsons Corporation

Software Engineering Intern

Chantilly, VA

January 2020 – August 2020

- Maintained the functionality of a network simulation application using Cypress to write end-to-end tests.
- Researched, prototyped, and developed a logging system for a network simulation application using the Elastic Stack. This system parsed error messages, Docker container names, and other useful data from the log events.
- Developed a new learning application comparable to Khan Academy. Accountable for designing GraphQL APIs in GoLang to allow functionality between users and lessons.

EDUCATION

Rensselaer Polytechnic Institute

BS in Computer Science and Computer & Systems Engineering, *summa cum laude*

Troy, NY

August 2017 – May 2021

Capstone Project - Internet of Things (IoT) Dog Collar

- Led a team of 8 students in designing a fully-wireless IoT dog collar with GPS tracking, two-way audio communication, and virtual fence "boundaries"
- Redesigned the full-stack web application including a Python Django backend with a MySQL database and map interface with virtual fence creation and GPS tracking
- Spearheaded the embedded Arduino code design, establishing a schema to transfer GPS coordinates from an ESP32 microcontroller to the Django server over WiFi

SKILLS

Certifications: CompTIA Security+

Programming Languages: Python, C, C++, GoLang, Ruby, JavaScript

Frameworks, Django, React, GraphQL, Arduino, WebSockets, PostgreSQL

Software Tools: Jenkins, Git, Docker, Elastic Stack, Atlassian Tools, Rancher, Chef, Keycloak, Sonatype NexusRM, SonarQube

AWS Services: EC2, S3, Lambda, RDS, EBS, KMS, IAM