BRENDAN K. OCONNELL

Software Engineer

CONTACT INFO

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🐙 bkoconnell.github.io

EDUCATION

B.S. Computer Science

Southern New Hampshire University

2018 - 2021

SKILLS

Platforms

Windows
Linux
Docker / Kubernetes
AWS Cloud

Programming Languages

Python (proficient)
Bash (familiar)
JavaScript (familiar)
SQL (familiar)
NoSQL (familiar)

Tools / Frameworks

Visual Studio, VS Code, Ansible,
PyTest, Git, JIRA, GitLab CI/CD,
Node.JS, Express.JS, Angular.JS,
Artifactory, MongoDB, MySQL,
Anaconda

Security Clearance: SECRET

SUMMARY

Ambitious software engineer with a passion for programming. Highly regarded as a self-motivated team player with exceptional attention to detail and assertive communication skills.

PROFESSIONAL EXPERIENCE

Software Engineer I

BAE Systems   ❖   Nov 2021 – Present

- Designed, developed, and documented object oriented Python programs as solutions to specific requirements, such as a parsing tool that reads input files, formats the content, and stores it in data tables for easy retrieval.
- Utilized Python's struct library, bit fields, and the bytes dunder method to serialize bundled components which are then written as binary files for embedded software systems to use. Also customized the string dunder method to stringify bundles into an XML format for human-readable output.
- Member of DevSecOps team employing agile methodologies with JIRA for projects, sprint planning, scrum meetings, and issue management.
- Configure GitLab YAML files to orchestrate the continuous improvement automation pipeline with jobs for linting, building, static and dynamic testing, packaging, and delivery to the Artifactory repository.
- Implement resolutions for user stories inside Docker containers on Linux, and collaborate with peers for code reviews and merge requests in GitLab repositories.
- Deploy deliverables on a RHEL server using Kubernetes, Helm Charts, and Ansible playbooks for configuration and testing.

SUPPLEMENTARY EXPERIENCE

- Educated in CRUD operations, SQL & NoSQL databases, client/server development, MEAN full-stack, MVC architecture, REST APIs, SPAs, and AWS cloud development.
- Comfortable employing innovative algorithms and common data structures to develop logical software solutions using Python and OOP concepts.