

David Johnson

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SOFTWARE ENGINEER WITH EXPERIENCE IN DEVOPS, FULL STACK DEVELOPMENT, AND CYBER SECURITY

TECHNICAL SKILLS

Python | C/C++ | JavaScript | SDN | IP Protocols | TCP/UDP | NAT | Linux Network packages, and tools | Bash | Linux RHEL7 | Git | GitHub | Cyber Security | Mathematical Algorithm Design, C++, Python | Middleware | Containers | Docker | Podman | Kitware | Cmake | CTest | Agile, Scrum Framework | Git | GitHub | Gitlab | Automation

WORK EXPERIENCE

Embedded Software Engineer, Sandia National Laboratories, Albuquerque, NM, 06/2022 – Current

- Security Clearance holder, working on behalf of the DOE, NNSA, and others to maintain mission critical software in a AGILE/SCRUM Development environment.
- Maintain DevOps infrastructure for Supercomputers (HPC). Manage Middleware automation, features, development, testing, and LINUX/UNIX environment configuration with scripts.
- Infrastructure as Code(IaC). Create Automation Tools for daily services with Python, YAML, Bash, Jenkins PIPELINE(s) JaaS, CDash, and Jira. Manage a Help Desk for infrastructure ticket submission on behalf of Project Management and Customers. Manage Middleware Architecture.
- Create Containers (Kubernetes, Podman/Docker) C/C++ environments. Develop, Configure, Build and Test (CTest) with System Architecture reports using tools such as Nagios, CDash, and Jenkins.
- Develop complex multi-physics engines using Kitware, custom Architectural design tools built within.

Software Engineer - Full Stack, CyberPatriot, Fullerton, CA, 06/2019 – 06/2022

- AWS Cloud Development of Web Apps, ReactJS and VueJS, Python backend/server for custom needs.
- Maintain, secure, manage containers (Kubernetes, Docker, Vagrant). Manage Hypervisor environments for multiple Virtual Machine(s). Secure environments with best practices in OpSec.
- Create Linux environments for capture the flag competitions, and security vulnerability testing within Linux and Windows, Reverse Engineering, Encryption Best practices, and OWASP top 10.
- Trained military, college, and youth in cyber security vulnerabilities and awareness base on OWASP.

IT Specialist - SysAdmin, Coral Youth Institute, Long Beach, CA, 01/2013 – 06/2019

- Managed system services, users, groups, and password(s) within UNIX/Linux environments.
- Provided general IT solution services for sharing enterprise resources on intranet style architecture.
- Practice system hardening techniques, create Bash scripts, set up environments, and monitor networks with various tools and services using best practices of Cyber Hygiene.

EDUCATION

B.S. Computer Science, California State University, Fullerton, CA