
Work Experience

Site Reliability Engineer – Seed Innovations, LLC

February 2023 - Present

- Provide reliability support services for the US Air Force's Cloud Based Command and Control (CBC2) program.
- Lead the enhancement of GitLab CI pipelines, focusing on automation through advanced Bash scripting.
- Utilized Helm, Flux, and BigBang for streamlined deployments and management of Kubernetes environments.
- Engage in collaborative problem-solving and troubleshooting, offering expert guidance to development teams.
- Actively participate in Agile ceremonies and processes, enhancing team dynamics and project management.
- Demonstrate exceptional communication skills in collaboration with Government customers and contractors.

Software Developer – United States Air Force

February 2021 – February 2023

- Developed custom data transformation jobs for Apache Flink data stream processing pipeline using Python and Java
- Deployed and configured open-source software tooling on Kubernetes infrastructure including Apache Kafka, Flink and Apicurio
- Containerized custom new applications as well as legacy software using Docker for easier deployment and delivery
- Managed strict security audit processes to ensure Information Assurance teams understand systems to be deployed
- Developed team documentation and work management practices to facilitate continuity across teams
- Facilitated project meetings to keep leadership updated on project status and communicate blockers to senior leadership
- Managed multiple teams across several development groups to ensure everyone is in sync
- Distilled organizational strategic goals into actionable items for development teams

Applications Programmer – UCI Office of Information Technology

June 2019 – January 2021

- Maintain catalogue of Spring Boot data transfer applications
- Develop and maintain ColdFusion web applications
- Refactor web applications to improve security by sanitizing user inputs
- Develop and maintain legacy Visual Basic desktop applications
- Maintain and update existing system documentation
- Troubleshoot and resolve production incidents
- Develop reports for business customers using IBM Cognos

Student Developer – UCI Office of Information Technology

November 2018 – June 2019

- Built user interfaces for internal web applications using React, HTML and CSS
- Created and updated technical documentation for existing systems
- Refactored Java applications using Spring framework and internal libraries
- Gathered requirements from clients

Education

University of California, Irvine (June, 2019)

- B.S. in Software Engineering

Courses: Data Management, Operating Systems, Computer Networks, Design and Analysis of Algorithms, Requirements Engineering, Software Testing, Human-Computer Interaction, Software Design, Information Retrieval, Project Management, Internet Applications Engineering

Skills

Experienced with the following languages, concepts and technologies:

REST, Object Oriented design concepts, SQL, Go, C++, Java, Python, VB, HTML5, CSS, JavaScript, Docker

Soft skills:

Excellent verbal and written communication skills. Prioritization of teamwork and efficiency, and intrinsically motivated to excel at assigned projects. Extensive experience working in an Agile environment

General software applications:

Skilled with Microsoft Office suite including custom macro/programming in Excel for data processing, Programming IDEs including JetBrains IntelliJ, PyCharm, VS Code, Microsoft Visual Studio, and Eclipse