

Mason Schleu

Senior Software Engineer

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PROFESSIONAL EXPERIENCE

Data Tech Lead, Berkshire Grey – Mobile Robotics

March 2021 – present // Bedford, MA

- > Lead team of 4 devs, scoping work, prioritizing tickets, planning sprints, and mentoring junior members.
- > Directed the engineering of the backend for our award-nominated internal UI through the SDLC.
- > Created a scalable data pipeline that aggregates millions of Kafka messages and produces metrics and streaming data for customer UI and internal analytics.
- > Author user friendly REST APIs used to control and query essential parts of the system.
- > Review teams code to ensure high quality, maintainable, and low complexity product is being produced.

Escalation Tech Lead, Berkshire Grey – Mobile Robotics

March 2021 – present // Bedford, MA

- > Drove the architecting of a reporter that automates issue tracking and quantifies quality defects, used by operations, analytics, and maintenance teams, eliminating hours of daily work.
- > Respond to high-stakes Opsgenie phone calls by working with operations and support personnel to troubleshoot and root cause issues on the fly that arise in production to reduce downtime.
- > Squash high priority bugs and develop features in complex asynchronous applications deployed in modern Kubernetes distributed systems.
- > Travel as company representative to customer facilities to perform live demos, be on-site software expert, eyes and ears for remote teams, and commission systems.

Cyber Software Engineer, Lockheed Martin – Cyber Network Interface Device (CNID)

January 2019 – March 2021 // Louisville, CO

- > Tested functionality of a network switch involving low level socket programming in C++ and Python and a deep understanding of the IPv6 protocol and the Linux network stack.
- > Developed Python framework to automate the testing of thousands of CNID requirements.
- > Designed automated cross-platform build and deploy system that streamlined team's dev workflow.

Embedded Software Engineer, Lockheed Martin – Software Defined Satellites (SDS)

May 2018 – January 2019 // Louisville, CO

- > Coded backend for the config service in C++ which handled requests from json, yaml, and ZooKeeper.
- > Wrote high quality documentation using Sphinx and Doxygen used by developers and users.
- > Used YOCTO to configure, build, and deploy custom Linux kernel images to target platforms.

TECHNICAL SKILLS

Programming languages:

Python ●●●●●
C++ ●●●●●
Bash ●●●●●
Rust ●●●●●

Technologies:

Kafka ●●●●●
MongoDB ●●●●●
Zookeeper ●●●●●
gRPC ●●●●●
Websockets ●●●●●
REST ●●●●●

Tools:

Atlassian ●●●●●
Linux ●●●●●
Git ●●●●●
ELK Stack ●●●●●
Kubernetes ●●●●●

EDUCATION

B.S. Computer Engineering, University of Nebraska, Lincoln

2014 – 2018 // Omaha, NE – Peter Kiewit Institute

- > President of the University of Nebraska Omaha Maker Group

2018