**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 Enginee*r, 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