

# Mason Schleu

Senior Software Engineer

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## PROFESSIONAL EXPERIENCE

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### **Data Tech Lead, Berkshire Grey – Mobile Robotics**

March 2021 – present // Bedford, MA

- > Led team of 3 engineers, scoping work, prioritizing tickets, and planning sprints to deliver on schedule releases.
- > Engineered a data pipeline that aggregates Kafka data and produces metrics for customer UI and internal analytics.
- > Add REST APIs providing data to customer and third-party regarding system throughput and effectiveness.
- > 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

- > Architected a reporter that automates issue tracking and quantifies quality defects, eliminating hours of daily work.
- > Work with operations and support personnel to troubleshoot issues that arise in production to reduce downtime.
- > Build systems and tooling to improve response time to customer needs.
- > Squash high priority bugs in complex asynchronous applications deployed in Kubernetes environments.
- > Travel as company representative to customer facilities to perform live demos and ensure on schedule delivery.
- > Collaborate with DevOps to automate and streamline deployment activities.

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

December 2018 – present // Louisville, CO

- > Developed Python framework to automate the testing of thousands of CNID requirements.
- > Designed automated cross-platform build and deploy system in Python that streamlined team's dev workflow.
- > Collaborated with external entities such as QA and customer to facilitate efficient delivery events.

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

May 2018 – December 2018 // Louisville, CO

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

## TECHNICAL SKILLS

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**Programming languages:** Python, C/C++/C#, Shell, Make, HTML/CSS, Java, Assembly, Verilog, VHDL

**Python Libraries:** Confluent Kafka, PyMongo, Apache Zookeeper, Asyncio, Tornado, PySpark

**Platforms:** Kubernetes, Docker

**Tools:** Git, Atlassian Suite, ELK Stack, Jenkins, AWS, Microsoft Office

**Operating Systems:** Ubuntu, Red Hat, Windows

**Databases:** NoSQL (MongoDB)

## EDUCATION

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### **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