# 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 engineers, scoping work, prioritizing tickets, planning sprints, and mentoring junior members.
> Engineered a scalable data pipeline that aggregates and processes millions of Kafka messages and produces metrics and streaming data for customer UI and internal analytics.
> Author REST APIs that provide various key performance indicators to customer and third-party regarding system throughput and overall equipment 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 system 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 environments.
> 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)
December 2018 – March 2021 // Louisville, CO
> 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.
> 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 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/C++/C#, Shell, Make, HTML/CSS, Java, Assembly, Verilog, VHDL
**Python Libraries:** Confluent Kafka, PyMongo, Kazoo Zookeeper, Asyncio, Tornado, PySpark
**Tools:** Git, Atlassian Suite, ELK Stack, Jenkins, AWS, Microsoft Office, Kubernetes, Docker
**Operating Systems:** Ubuntu, Red Hat, Windows

## 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