

# Kyle Smith

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## Technical Knowledge

**Languages:** Python, Java, Typescript/JS, Shell/Bash, Elixir, C, C++, SQL, Racket, Rust

**Tools:** Linux CLI, Systemd, Jenkins, Vi, Jira, AWS S3, React, Phoenix, BndTools/OSGi, Ansible, Docker Poetry, Pytest, UNMS, iPerf, Kibana

**Skills:** Obj. Oriented Software Dev, Regression Testing/QA, Automation Scripting, CI/CD, AWS/GCP Infrastructure Interfacing, Database Design, Git Version Control, Back & Front End Web Development

## Professional Experience

**Starry, Inc.** | *Fixed Wireless Internet Service Provider*

*Jul 2021 - Jan 2023*

**Software Engineer in Test**, Jun 2022 - Jan 2023

**Validation Engineering Co-op**, Jul 2021 - Jun 2022

- Greenlit new firmware releases for feature coverage, field viability, on devices providing tens of thousands of customers with internet access
- Developed hundreds of automated regression test cases within OO codebases; covering functionality of systemd services and general operations on embedded linux WiFi devices (Python)
- Cut time of release cycles by 30%+ by automating validation infrastructure, creating internal data tracking tools (Python, Jenkins, Google Drive API, Elasticsearch)
- Built out and maintained dozens of hardware test beds, incl. networking, to allow optimal automated interfacing with proprietary hardware systems
- Supported rapid team growth with regular constructive code review and onboarding of new members

**Heila Technologies** | *Green Energy Startup*

*Jun - Dec 2020*

**Software Engineering Co-op**

- Implemented backend REST API for a customer-facing web portal, representing power-system data of embedded devices (Java OSGi)
- Automated inter-IoT-device configuration operations, converting hours of manual work to minutes of passive runtime (Python, Ansible, Bash)
- Initiated product planning and development of initial IoT cloud data pipeline (Kafka, Zookeeper)

**True Fit Corporation** | *Fashion Technology SaaS*

*Jan - Apr 2020*

**DevOps Engineering Co-op**

- Developed internal automation scripts interfacing with dozens of internal/external APIs to streamline developer processes for a team of 100+ engineers (Python, Bash, PostgreSQL)
- Facilitated migration from AWS to GCP infrastructure, debugging DevOps jobs and scripts (Python)

## Education

**Northeastern University**, Khoury College of Computer Sciences

*Graduated May 2022*

Bachelor of Science in Computer Science

## Interests

Sustainable energy, DIY crafts/metal casting, music (trumpet playing), film photography, politics