

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