

## Haiylu Kibret

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### Education

**University of Virginia (UVA)** — Charlottesville, VA  
**Bachelor of Science in Computer Science**, Class of 2020

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### Professional Experience

#### Senior Full-Stack / Automation Engineer

**SWIFT Inc** — Manassas, VA | **Jan 2025 – Present**

- Built and maintained **Python-based automation frameworks** for backend/API validation, service integration testing, and CI/CD-driven quality gates.
  - Developed and maintained **RESTful microservices** using Python, Java, Node.js, React, TypeScript, Docker, and Terraform.
  - Designed and executed **backend/API test suites** integrated into Jenkins, CloudBees, and GitHub Actions pipelines, reducing regression failures and improving release confidence.
  - Deployed and managed **Kubernetes microservices** using ArgoCD, including automated cluster provisioning and GitOps workflows.
  - Implemented **observability and monitoring** using CloudWatch, Prometheus, and InfluxDB, enabling proactive detection of system anomalies.
  - Automated build, test, and deployment workflows using Python, Bash, Ansible, and Shell scripting, improving release speed and reliability.
  - Led migration of **50+ RHEL 7 nodes to RHEL 8**, improving performance, security compliance, and operational stability.
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#### Full-Stack / Systems Engineer

**SWIFT Inc** — Manassas, VA | **Jan 2021 – 2025**

- Built backend services and automated test pipelines using Java, Python, React, Jenkins, and CloudBees CI/CD.
- Developed **API-level test automation** and contributed to internal automation frameworks supporting microservices validation.
- Participated in Agile ceremonies including sprint planning, demos, and retrospectives.

#### Web Developer Intern

## UVA Dev Hub — Charlottesville, VA | Jan 2019 – Jan 2020

- Built a Flask-based chatbot using Dialogflow for campus library services.
- Developed and integrated RESTful APIs using React, Node.js, Python, and TypeScript.
- Authored backend documentation and contributed to Agile development workflows.

## Software Engineer Intern

### WillowTree — Charlottesville, VA | Aug 2018 – Dec 2018

- Developed a project management platform using Python, Java, React, Flask, and Docker.
- Implemented real-time data visualization using Atlasboard and JSON APIs.
- Applied full SDLC principles including backend architecture, testing, and deployment.

## Projects

### Automation Testing Tool

- Built a robust **Python-based automation suite** using Bash, Ansible, and Robot Framework.
- Designed reusable playbooks for **multi-environment backend/API testing**.

### Real-Time Subsystems Monitoring Dashboard

- Designed and deployed a full-stack monitoring solution for server infrastructure.
- Developed backend services in Python and Java, integrated with InfluxDB for timeseries data.

### Ride-Sharing App (Side Project)

- Built a full-stack ride-sharing app using Node.js, Python, and PostgreSQL.
- Containerized with Docker, configured CI/CD via GitHub Actions, and deployed on AWS.

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## Languages

Python, Java, Flutter, Node.js, Angular, C++, Bash, SQL and JavaScript/TypeScript

## Backend, APIs & Databases

PostgreSQL, Oracle DB, RESTful APIs, Flask, Express, Spring Boot

## DevOps & Cloud

ArgoCD, Kubernetes, Kafka, Django, GitHub Actions, CloudBees, Docker, Ansible, AWS, GCP

## Security & Systems

DevSecOps principles, Linux CLI, system resource management