

Jamall Harris

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Skills

Languages: Java, Python, Groovy, C#, Bash, JavaScript, TypeScript, SQL, HTML, Sass

Frameworks & Tools: Spring Boot, Flask, Django, React, Angular, Grails, Jekyll

DevOps & Cloud: AWS, Kubernetes, Docker, Terraform, Ansible, Jenkins, Bitbucket, Helm, CloudFormation, Azure, GCP, Heroku, Octopus, Vagrant

Testing: Selenium, Cucumber, TestNG, RestAssured, Appium, Gherkin, Bamboo

Monitoring: Prometheus, Grafana

Databases: PostgreSQL, MongoDB

Experience

Research Scientist, GTRI— Atlanta, GA

Nov 2018 – Nov 2023

- Developed microservices for Medicaid/Medicare middleware to AWS using Kubernetes, Docker, and Java.
- Developed and maintained CI/CD pipelines using Jenkins, Bitbucket, and Jira to streamline deployment
- Automated infrastructure provisioning and teardown using Terraform, CloudFormation, and Ansible, improving system reliability.

SDET/Automation Engineer, BBVA Compass— Birmingham, AL

Oct 2017 – Nov 2018

- Engineered automation test suites using Java, Selenium, Cucumber, and TestNG for bank website and mobile application.
- Implemented Bamboo-based CI/CD system to schedule and run nightly test builds, increasing site and mobile reliability
- Automated REST API testing using Java and RestAssured, reducing manual QA cycles by 50%.
- Built mobile testing frameworks for Android and iOS using Appium, covering native, hybrid, and web apps.

Founder, Absolute Infinity LLC —

2014 – Current

- Built an AI-powered content generation platform that automated image captioning and social media posts.
- Designed and deployed intelligent tools for image sorting and tagging using Python and local AI models.
- Created a virtual assistant that managed social media engagement with personalized, auto-generated responses.

Software Developer, University of Alabama — Birmingham, AL

June 2013 – Mar 2017

- Developed full-stack web and mobile applications UAB, BJCTA, FBI, and many more using Java, C#, and Bash.
- Built GEO-tagging software for the FBI to support phishing investigation efforts.
- Launched iOS and Android apps (PEACE-P, MAXX Bus Routes) using C#, PhoneGap, and Android SDKs.
- Implemented sequencing algorithms on high-performance clusters using Python, Perl, and Slurm.

Projects

RISE UP

<https://github.com/jharri34/RiseUp>

- Civic platform helping users access local elections and representatives using open government data.

NGHBR

<https://github.com/Melanin-Rich-Manifesto/NGHBR->

- Decentralized application supporting secure communication and economic resources for communities.

Surge

<https://github.com/jharri34/surge>

- AI-driven social heatmap that connects users with shared values and nearby interests.

Education

University of Alabama — Bachelor's of Science in Computer Science & Electrical Engineering

Mar 2017