

Jamal Harris

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Atlanta, GA

Overview

Software engineer with extensive experience in Java Development. Skilled in both practical and theoretical aspects of software engineering. Exhibited expertise in decision-making, data analysis, problem-solving and innovative solutions.

Skills

- Software Development
- Containerization and Orchestration
- Infrastructure as Code (IaC)
- Continuous Integration and Continuous Deployment (CI/CD)
- Cloud Computing
- AWS Web Services
- DevOps and Deployment Tools
- Database Management
- Research and Prototyping
- Experienced in Agile Environments
- Technical Problem Solving

Work Experience

Georgia Tech Research Institute (Atlanta, GA)

Research Scientist I

Nov. 2018 - Nov. 2023

- Led large-scale, multi-node application development and deployment using Kubernetes, Docker, Helm, Ansible, Jenkins, Terraform, and AWS
- Develop REST Web Services using JavaScript, Groovy, Grails, Spring Boot, and PostgreSQL
- Containerized applications and orchestrated deployments with Docker Compose and Kubernetes in both local and production environments,
- Creating a comprehensive CI/CD pipeline with Bitbucket, Jira, and Confluence.
- Managed Docker image and Helm Chart repositories,
- Automated cloud infrastructure deployment with Terraform on AWS via CloudFormation

BBVA Compass (Birmingham, AL)

Software Developer/Engineer/Tester (SDET)

Oct. 2017 - Nov. 2018

- Developed automated test cases using Gherkin syntax and Java in Selenium WebDriver, with Maven, Cucumber, and TestNG.
- Leveraged Bamboo for continuous integration, running nightly automation scripts
- Tested REST API using Java RestAssured, Cucumber, and TestNG, and performed backend testing with complex SQL queries.
- Performed mobile app testing w/ Appium for native, hybrid, and web apps on Android and iOS devices using.
- Developed internal resource applications with Spring Boot to manage test data sanitation

Absolute Infinity LLC (Birmingham, AL)

Founder/CEO

July 2014 - Present

- Developed Seamless (August 2016) using Rails, ElasticSearch, Redis, and SASS, with advanced search functionality.
- Created Ingrid's Gymnastics (June 2016) using WordPress, Bash, and PHP, incorporating scheduling software, online payment integration, and content management.
- Built Zyp Bikeshare (April 2016) using SQL, Mongo Express Node, and React,
- Develop TechAlabama (February 2016) using Python, Java, HTML5, CSS3, and JavaScript,
- Designed Director Point (January 2016) with Docusign, Webpack, and other tools, emphasizing skills in document management and web application bundling.
- Spearheaded the Teals project (January 2016), utilizing Python, Java, HTML5, CSS3, and JavaScript, while mentoring students in programming and engaging in full-stack development.
- Developed First Robotics (August 2015) using C and Assembly programming, collaborating with the McWayne Center to create a summer program teaching students robotics and low-level programming

Influence Health (Hoover, AL)

Junior Software Developer

July 2015 - Oct. 2016

- Bash scripting in a Unix environment for automation, optimizing deployment and release processes across multiple projects.
- deploy applications using tools like Ansible and Octopus, in a healthcare environment.
- Developed web services using Azure for patient engagement systems.
- Worked on backend microservices, using Ruby, Python, Perl, and Bash

Google (Mountain View, CA)

Intern

June 2015 - Aug. 2015

- Developed Bash scripts in a Unix environment scripting and automation.
- Develop internal applications using Java
- Develop backend services using Ruby and Python
- Front End Development using Angular and Handlebars

University of Alabama (Birmingham, AL)

Lead Software Developer (SEAP/ SPIES/Biology)

June 2013 - Mar. 2017

- Frontend and backend development for web and mobile applications, utilizing Java, C#, Python, and Bash.
- Developed GEO-tagging software for the FBI to analyze phishing scams, leveraging Java for backend programming and data analysis.
- Created multiple iOS and Android applications, Cancer Resources App, PEACE-P, and MAXX Bus Routes, using C#, Android, and Phonegap technologies.
- Implemented a sequencing algorithm within a shared computing cluster, utilizing Python, Perl, Bash, and Java with the Slurm job scheduler

- Created Peace-P V1 and OPENFLOW: Lunch and Learn, emphasizing rapid prototyping and hands-on software development for research-driven solutions.

Education

University of Alabama (Birmingham, AL)
BSc in Computer Science & Electrical Engineering