Ayomide Alaka

Mainframe & Full-Stack Software Engineer · Remote Contract & Consulting

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Available for remote, part-time contract and consulting engagements · Central Time (US)

SUMMARY

Software engineer with 8+ years across IBM z/OS mainframe, full-stack Java, DevOps, cloud and Linux engineering, currently building and supporting enterprise systems at Bank of America. Helps teams keep legacy mainframe platforms running while modernizing around them: REXX, JCL and DB2 automation on z/OS, Java Spring Boot and React applications, CI/CD pipelines and Terraform/Ansible infrastructure. Former DevOps consultant who works independently, documents clearly and mentors developers. AWS- and HashiCorp-certified, with a B.S. in Computer Science from Western Governors University.

SERVICES

- **Mainframe automation & support:** JCL, REXX, DB2, USS scripting, batch troubleshooting on z/OS
- **Full-stack development:** Java Spring Boot REST APIs with React front ends
- **DevOps & cloud:** CI/CD pipelines, Terraform/Ansible infrastructure-as-code, AWS migrations and cost reduction
- **Security automation:** vulnerability remediation triage, DevSecOps checks in CI pipelines
- **Process automation:** Python and Playwright scripts that replace manual data collection and reporting

TECHNICAL SKILLS

- **Mainframe:** IBM z/OS, JCL, REXX, DB2, TSO/ISPF, USS (z/OS UNIX System Services), COBOL, IBM Z
- **Full Stack:** Java Spring Boot, REST APIs, React, Angular, JavaScript, HTML5
- **Languages:** Java (enterprise), Python, SQL, Bash/Shell, PowerShell, Groovy, C, C++
- **Security & Automation:** Automated vulnerability remediation triage, DevSecOps, SonarQube, Playwright, browser automation, data-extraction pipelines
- **DevOps & CI/CD:** Jenkins, GitLab CI, Azure DevOps, Git/GitHub, Maven, Nexus, Ansible, Terraform, CloudFormation, XLR, Ansible
- **Cloud & Containers:** AWS (EC2, S3, Lambda, ECS, IAM, VPC, CodePipeline), Azure, GCP, Docker, Kubernetes
- **Linux & Monitoring:** Linux administration, LVM, patching, Prometheus, Grafana, ServiceNow, Jira, Splunk
- **Databases:** DB2, PostgreSQL, MySQL, MongoDB, DynamoDB
- **Practices:** Agile/Scrum, SDLC, mentoring, code review, change management, incident response, root-cause analysis

PROFESSIONAL EXPERIENCE

Bank of America — Software Engineer / Infrastructure Engineer, Mainframe | Dallas, TX | Jun 2025 – Present

- Build, maintain and troubleshoot JCL batch jobs and z/OS system tasks using TSO/ISPF and USS for enterprise banking workloads.
- Automate mainframe operations with REXX execs, USS shell scripts and Python, reducing manual intervention.
- Query and maintain DB2 data that supports mainframe applications and batch processing.
- Develop full-stack applications with Java Spring Boot REST services and React front ends, from API design through deployment.
- Built automated vulnerability remediation triage that prioritizes security findings and speeds fixes cutting triage time by over 80%.
- Built a Python/Playwright browser-automation pipeline that extracts internal data from web applications, replacing manual collection and saving 20 hours per week.
- Mentor 2 junior developers through code reviews, pair programming and design guidance.
- Diagnose job failures and system issues, run root-cause analysis, and work with operations and change-management teams under regulated banking change controls.

Blooming CloudOps — DevOps Consultant | Dallas, TX | Feb 2021 – Jun 2025

- Designed and implemented Jenkins CI/CD pipelines, cutting deployment time by 50% and making releases consistent.
- Automated provisioning and configuration of AWS EC2 with Terraform and Ansible, reducing manual setup work by 40%.
- Provisioned and managed cloud infrastructure with Terraform and CloudFormation, lowering infrastructure costs by 20%.
- Embedded DevSecOps practices with security teams: SonarQube scans and automated security checks in CI, reaching 95% compliance in internal audits.
- Led code reviews through GitLab merge requests, reducing code defects by 20%.
- Led incident response and root-cause analysis with cross-functional teams, reducing incident recurrence by 60%.
- Containerized applications with Docker and managed build artifacts in Nexus for portable, repeatable deployments.
- Wrote Python, PowerShell, Bash and Groovy scripts to automate reporting, compliance checks and DevOps tasks.

Paystack — Linux Engineer | Lagos, Nigeria | Apr 2018 – Feb 2021

- Enforced least-privilege user management across users, groups and profiles, achieving 100% compliance with security policy.
- Performed kernel upgrades, patching and package management, and monitored systems and logs with Grafana for 99.99% reliability.
- Resolved support tickets through ServiceNow and Jira at a 95% resolution rate.
- Created and extended filesystems with LVM on cloud and on-premises storage, improving storage efficiency by 30%.
- Automated incremental backups and routine administration with Bash scripts, reducing downtime by 90%.

EDUCATION

- **B.S. Computer Science** — Western Governors University | 01/2026
  - Coursework: Data Structures & Algorithms I–II, Computer Architecture, Operating Systems, Advanced Java, Back-End Programming, Software Design & QA, AWS Developer, Advanced AI & ML, Fundamentals of Information Security
- **A.S. Computer Science** — Tarrant County College | GPA 3.87
- **Honors & activities:** 4x Dean's Merit Award; Phi Theta Kappa Honor Society; National Society of Black Engineers (NSBE); Student Mentor, TCC Intercultural Network

CERTIFICATIONS

- AWS Certified Solutions Architect – Associate
- AWS Certified Cloud Practitioner
- HashiCorp Certified: Terraform Associate
- LPI Linux Essentials
- CompTIA A+
- WGU Certificates: Java Developer · Back-End Developer · Artificial Intelligence Optimization Developer
- IBM Z – Concepts badge, Advanced Badge, z/OS REXX Programming, JCL Foundations, IBM Z 101, IBM z/OS Mainframe Practitioner

PROJECTS

- **Fuel Station Report** — Full stack ERP Software tailored to gas station owners. React, Express, and AI Integration
- **DevOps Portfolio** — CI/CD, infrastructure-as-code and container projects. GitHub
- **Trade Signal Analyzer** — React app that pulls market data from the Alpha Vantage API and surfaces trade signals for option traders.