

Maksud Sharif

SENIOR CLOUD ENGINEER ·
DEVSECOPS

Reston / Herndon, VA

Active TS/SCI — CI Polygraph

CORE SKILLS

Cloud & DevOps

AWS (Lambda, S3, Step Functions, SQS, API Gateway, CloudFormation, EC2, RDS) · Kubernetes · OpenShift · Docker · Helm · Terraform · Ansible · CI/CD (Jenkins, GitLab) · Blue/Green · Cost Optimization · Distributed Systems

Observability & SRE

Prometheus · Alertmanager · Grafana · CloudWatch · Alerting & Dashboards · Runbooks · Incident Response · Production Operations

Security & IAM

DevSecOps · RBAC · IAM · Least-Privilege Access · Secrets & Key Management · Security Hardening · MFA · Third-Party Audits

Data & Streaming

Kafka · NiFi · Debezium · Apache Flink · Elasticsearch · Solr/SolrCloud · ActiveMQ · Redis · Hazelcast

Languages

Java (incl. 21) · TypeScript/JavaScript · Python · Bash · SQL

Frameworks

Spring (Boot, Native, Security, Integration, Cloud) · Angular · AngularJS · React · Next.js · Node.js · Hibernate

Data Stores

PostgreSQL/PostGIS · MySQL · MongoDB · Neo4j

Tooling

Git · GitLab · Maven/Gradle · JIRA · SonarQube · Artifactory · JUnit · SAFe Agile · SDLC

CLEARANCE

TS/SCI with CI Polygraph (Active, 09/2020)

EDUCATION

B.S. Computer Science — University of Virginia (coursework toward degree) · 2011–2015

PROFILE

Senior cloud and DevSecOps engineer with 10+ years architecting, automating, and operating secure cloud-native systems in classified environments. Specialize in AWS, Kubernetes/OpenShift, infrastructure as code, CI/CD, and observability — building self-service platforms that let engineering teams ship reliably and at scale. Strong full-stack enterprise Java background spanning the full SDLC, from design through production SRE. Ask me about my homelab!

EXPERIENCE

Senior Cloud Engineer (DevSecOps)

Sep 2025 – Present

SHLD, Inc. · Herndon, VA

DevSecOps engineer on an enterprise data-collection platform. Build and operate the build/deployment tooling and core streaming infrastructure that multiple application teams depend on to collect and disseminate data at enterprise scale.

- ▶ Architected and deployed enterprise-wide change-data-capture (CDC) pipelines with Debezium and Apache Flink, enabling real-time data streaming across core platform services.
- ▶ Optimized Kubernetes/OpenShift deployment patterns for a cross-system audit aggregator (Kafka, NiFi, Elasticsearch), improving reliability and operational consistency.
- ▶ Built a Prometheus/Alertmanager observability pipeline for stateful workloads (PVCs, StatefulSets), enabling proactive alerting and faster incident detection.
- ▶ Standardized secure, repeatable deployments by templating RBAC, ConfigMaps, and Secrets in an internal “universal” Helm chart adopted across multiple teams.
- ▶ Engineered “ProdOps” self-service tooling and runbooks for core platform services (Kafka, NiFi, Elasticsearch, OpenShift), reducing operational toil for developer teams.
- ▶ Operated blue/green production deployments and led SRE incident response, diagnosing and resolving recurring production issues across the platform.

Kubernetes · OpenShift · Helm · Kafka · NiFi · Elasticsearch · Debezium · Apache Flink · Prometheus · Alertmanager · RBAC · CI/CD · Blue/Green · SRE

Cloud Solutions Architect

May 2022 – Present

Navstar Inc. · Reston, VA

Lead engineer · contractor, as needed

Lead engineer on an agile team delivering next-generation applications, driving design and implementation from ideation through production and modernizing legacy systems into cloud-native serverless architectures on AWS.

- ▶ Migrated a legacy J2EE monolith to a cloud-native serverless architecture on AWS (Lambda, Step Functions, SQS, S3, API Gateway, CloudFormation), cutting infrastructure cost and improving performance.
- ▶ Optimized backend and client architecture to deliver 10–100x throughput improvements across critical processing paths.
- ▶ Built high-impact prototype capabilities — recommendation engine, pattern recognition, and WebGL acceleration — as technical lead.

AWS (Lambda · Step Functions · SQS · S3 · API Gateway · CloudFormation) · Java 21 · Spring Boot/Native/Cloud · TypeScript · React · Next.js · Node.js · Neo4j · Jenkins · Docker · CI/CD

Lead Software Engineer

Oct 2019 – May 2022

Jacobs Engineering Group · Reston, VA

formerly The Buffalo Group, LLC · prior: Software Engineer

Owned direction, capabilities, and delivery of web-based solutions in classified and unclassified environments — partnering with customers, writing code, mentoring junior engineers, and managing the DevOps lifecycle across multiple applications.

- ▶ Shipped core features (mapping, workflow, authentication) for a Spring Boot platform two months ahead of schedule.
- ▶ Modernized legacy SOAP data-ingestion pipelines into scalable search services using Python, Kafka, and Elasticsearch.
- ▶ Hardened a proof-of-concept Java application into a secure, scalable, production-ready system within six months.

Java · Spring Boot · Angular · React · AWS · Python · Kafka · Elasticsearch · Docker · OpenShift · WildFly · PostGIS · SOAP/WSDL · Redis · Jenkins · CI/CD

Lead Software Engineer

Sep 2015 – Oct 2019

Armedia LLC. · Vienna, VA

prior: Software Engineer · Junior Software Engineer

Architect and tech lead driving design, implementation, testing, and deployment of multiple production applications, delivering high-impact features for a global health organization in an Agile environment.

- ▶ Delivered 5 production releases on AWS, improving API response times 2–3x and passing third-party security audits.
- ▶ Re-architected the search subsystem on SolrCloud, reducing query latency 2–10x.
- ▶ Launched a greenfield Java/Spring/AngularJS platform with real-time auditing, alerting, multi-factor authentication, and automated field-report analysis.

Java · Spring · Spring Boot · Angular · AngularJS · AWS · Solr · SolrCloud · SolrJ · MFA · CI/CD · Agile/Scrum