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PROFESSIONAL SUMMARY

Senior Software Engineer and Cloud Platform Engineer with 9+ years of experience building cloud-native enterprise applications, automation platforms, and modern infrastructure frameworks using Java, Spring Boot, microservices, Kubernetes, Terraform, Helm, CI/CD, AWS, GCP, and Azure. Proven ability to modernize regulated enterprise systems through reusable engineering patterns, secure platform guardrails, GitOps workflows, observability practices, and infrastructure standardization. Demonstrated impact in improving deployment velocity, reducing operational risk, strengthening compliance traceability, and increasing system reliability across large-scale environments. Current focus includes AI-assisted platform engineering, Azure OpenAI, Microsoft Foundry agent workflows, API deprecation analysis, release intelligence, and knowledge-enhanced engineering copilots that improve productivity and decision-making at enterprise scale.

CORE TECHNICAL SKILLS

Languages: Java 7-21, Python, Go, Kotlin, JavaScript, TypeScript, SQL, Bash, C/C++

Backend/API: Spring Boot, Spring Cloud, Hibernate/JPA, REST, GraphQL, OpenAPI/Swagger, gRPC, Resilience4j, Feign, OAuth2/OIDC, SAML, Okta, RBAC

Cloud/Platform: AWS, GCP, Azure, Kubernetes, EKS, OpenShift, Rancher, Docker, Helm, Terraform, Ansible, Argo CD, GitOps, Vault, SSM, Golden AMI patterns

Data/Messaging: Kafka, RabbitMQ, JMS, ActiveMQ, IBM MQ, PostgreSQL, Oracle, MySQL, SQL Server, MongoDB, DynamoDB, Redis, Cassandra

CI/CD and Quality: Jenkins, GitHub Actions, GitLab CI, Maven, Gradle, SonarQube, SAST/DAST, Testcontainers, JUnit, contract testing, pairwise testing

Observability: Grafana, Prometheus, Splunk, Dynatrace, CloudWatch, Kibana, Sumo Logic, Nagios, SLO/SLI dashboards, RCA automation

AI/Agentic Engineering: Azure OpenAI, Microsoft Foundry, Microsoft 365 Agents SDK, MCP tools, AI-assisted release notes, AI risk summaries, knowledge-enhanced agents, responsible AI, model evaluation

SELECTED TECHNICAL IMPACT

- Built reusable cloud, Kubernetes, Helm, and Terraform patterns to improve delivery consistency, reduce infrastructure drift, and strengthen operational controls in regulated enterprise environments.
- Applied AI-assisted engineering workflows for release notes, risk summaries, API deprecation deltas, Helm diffs, and incident response preparation, reducing manual effort and improving release readiness.
- Improved reliability through SLO dashboards, Kafka lag monitoring, log correlation, automated runbooks, CI/CD guardrails, and production-ready platform engineering practices.

PROFESSIONAL EXPERIENCE

Senior Software Engineer / Cloud Platform Engineer

Turnberry Solutions Inc.

10/2024 – Present

Dallas, TX

- Designed Spring Boot microservices using Spring Cloud, OpenAPI 3, Feign, Resilience4j, Redis caching, and secure REST/GraphQL APIs; improved p95 latency by 28% and reduced error budgets by 35%.
- Enforced OAuth2/OIDC, Okta, RBAC, audit interceptors, and secure API patterns for sensitive enterprise workloads requiring compliance and traceability controls.
- Implemented Kafka-driven ingestion and CDC workflows supporting approximately 20k messages per second with schema evolution, DLQs, consumer lag SLOs, and idempotent processing.
- Authored Helm compatibility and promotion guardrails for EKS/OpenShift, including pre-release channels, upgrade checks, and safer rollout practices across 200+ environments.
- Enhanced Terraform modules with Golden AMI resolution using override, SSM lookup, fallback logic, and drift detection; reduced provisioning defects by approximately 30%.
- Built Testcontainers-backed integration tests for Kafka, PostgreSQL, and Redis; increased test coverage to 85%+ and reduced flaky test failures by 40%.
- Automated CI/CD using Jenkins, GitHub Actions, Maven, Docker, and Argo CD; reduced pipeline execution time by 35% through parallelization and dependency caching.
- Introduced AI-assisted release intelligence for release notes, risk summaries, API deprecation analysis, Helm diffs, and RCA preparation, saving 20+ engineer-hours per release cycle.

Software Engineer / Lead DevOps Engineer / SRE

CGI Inc.

06/2019 – 10/2024

Lafayette, LA

- Built Spring Boot microservices with Hibernate/JPA, Spring Data, Flyway, validation boundaries, and API-first practices; reduced production defects by 30%.
- Migrated Java EE applications to Spring Boot microservices using Spring Cloud Config, service discovery, Vault/SSM integration, and CI/CD patterns; shortened deployment cycles by 20%.
- Implemented OpenAPI contracts, code-generated clients, and contract testing, reducing API breaking changes by 40%.
- Delivered Kafka stream processing for near real-time workloads processing approximately 15M messages per day with idempotency and exactly-once controls.

- Containerized enterprise applications with Docker and operated Kubernetes/Rancher/EKS environments supporting 1,500+ pods across HA clusters.
- Implemented autoscaling, pod disruption budgets, resource quota optimization, and production readiness checks, reducing compute cost by 18%.
- Established Jenkins/GitLab CI pipelines with Maven, Gradle, SonarQube, SAST/DAST, blue-green deployments, and canary rollout practices; reduced release failure rates by 40%.
- Built Grafana, Prometheus, and Splunk dashboards with RED/USE metrics, log correlation IDs, and AI-assisted runbook triage; improved MTTR by 27% and incident response time by 25%.

Cloud Engineer

Magtech

03/2019 – 06/2019

Vienna, VA

- Built CI/CD pipelines for Spring Boot APIs using Jenkins and Maven with SonarQube quality gates, staged approvals, and deployment automation.
- Supported Vault Enterprise on GCP using least-privilege access, short-lived secrets, secure policies, firewall rules, and network controls for client environments.
- Introduced Prometheus and Grafana service-level indicators for latency, error rate, and release readiness decisions.

Cloud / DevOps Engineer

Veridic Solutions

07/2018 – 03/2019

New York, NY

- Designed cross-regional load balancing and routing patterns for cloud-hosted APIs, improving global p95 latency by 18%.
- Provisioned highly available compute and infrastructure using Terraform and Google Cloud Deployment Manager; implemented Stackdriver dashboards, log-based metrics, and GKE/GCP alerting.

Linux Administrator / IT Analyst

Intelnet

12/2014 – 06/2016

Hyderabad, India

- Led a 10-member team supporting Google Maps data quality and performance initiatives; achieved delivery target one month early and earned Best Team recognition.
- Built Java-based automation utilities to validate route and signage data, reducing manual review effort by 40%; deployed Splunk monitoring to improve incident visibility.

CERTIFICATIONS, BADGES, AND LEARNING EVIDENCE

- **HackerRank Verified:** Software Engineer; Problem Solving Basic; Problem Solving Intermediate.
- **Microsoft Learn AI / Agentic AI:** Azure OpenAI agent creation; Microsoft 365 Agents SDK; Microsoft Foundry agents; Foundry IQ knowledge-enhanced agents; MCP and custom tool integration; responsible generative AI; model optimization/evaluation; Azure AI solution planning; NLP, computer vision, speech, information extraction, and generative AI concepts.
- **AWS Solutions Architect - Associate:** previously held; AWS architecture knowledge applied in cloud design, security, and cost-optimization reviews.

EDUCATION

Master of Science in Computer Science

Troy University

06/2018

Troy, AL