DREW RICHARDSON

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SUMMARY

Software Engineer with 10+ years of experience designing distributed systems, building cloud-native services, and automating devops processess. Expert in Java, Python, and AWS with a proven track record of improving developer velocity, scaling backend infrastructure, and reducing system complexity. Skilled in containerization, observability, and performance optimization.

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, Bash
Backend & Cloud: REST APIs, AWS (Lambda, Fargate, DynamoDB, SNS/SQS), Kafka, Microservices
DevOps / CI/CD: Docker, Kubernetes, GitLab CI, CircleCI, Backstage
Observability: Grafana (Loki, Tempo, Mimir), Kibana, OpenTelemetry

EXPERIENCE

IODINE SOFTWARE, Austin, Texas (REMOTE)
Developer Experience Engineer, 2024–Present

- Designed and automated deployment pipelines for a Java-based monolith, cutting release prep time from hours to minutes.
- Designed and deployed a unified observability platform (Grafana, Loki, Tempo, Mimir) to monitor distributed services.
- Led GitLab migration, building reusable CI/CD templates now standard across 10+ engineering teams.
- Worked with forward-deployed engineers to develop a web app for Okta management using spring-boot and vue js.
- Developed a Python-based migration pipeline to seamlessly onboard services and standardize container builds into Gitlab.
- Designed and developed okta management platform, allowing easy bulk user, group and client management for implementation engineers.

DATAMINR, Bozeman, Montana (REMOTE)
Senior Software Engineer (Backend & DevEx), 2018–2020, 2021–2024

- Designed and implemented a microservice to monitor and analyze performance metrics for streaming pipelines, cutting notification latency to <1 minute.
- Built and maintained backend services and AWS Fargate workloads with DynamoDB storage for high-availability systems.
- Spearheaded containerization of internal tools and services, reducing CI build and test times by 75%.
- Created internal API libraries and standardized backend testing frameworks, enabling consistent integration testing across teams.
- Enhanced core data generation platform to accept custom inputs for more specific and deterministic testing.
- Simplified deployment processes leveraging boto3 client for easily shipping services to our cloud infrastructure.

ONXMAPS, Bozeman, Montana (REMOTE)
Senior Software Engineer, 2020–2021

- Optimized CI pipelines, reducing build times from 40 minutes to 3–5 minutes via parallelization, and increasing test coverage
- Mentoring of junior SDETs/QAs

MANTECH / ONWIRE, Reston, VA
Software Developer, 2015–2017

- Developed Java ingestion pipelines and complex SQL queries for national crime reporting systems.

Earlier Roles (2011–2015): Programmer & Backend Developer (Pillar Innovations, OnWire) – built backend frameworks, REST APIs, and web service integrations for identity management and industrial controls.

EDUCATION

ALDERSON BROADDUS UNIVERSITY, Philippi, West Virginia
B.A., History