

Erald Caka

Software Engineer · Distributed Systems

Vancouver, BC, Canada | +1 (236) 662-5544 | eraldcaka47@gmail.com | linkedin.com/in/erald-caka | www.eraldc.com | github.com/eraldcaka

PROFESSIONAL SUMMARY

Backend engineer with 5+ years building distributed systems in Go and TypeScript. Experience designing IoT data pipelines, event-driven architecture, and cloud infrastructure on AWS and Kubernetes. Track record of measurable improvements in throughput, latency, and deployment reliability across enterprise-scale systems.

WORK EXPERIENCE

Software Engineer · [Indra](#) · Remote Feb 2023 – Present

- **Backend & IoT Pipelines:** Built backend services in Go, Java, and TypeScript/Node.js and IoT ingestion pipelines using gRPC, MQTT, and Kafka, increasing event throughput about 35% while maintaining reliable downstream delivery.
- **Go & Typescript:** Developed production backend services and APIs with TypeScript (Node.js) and Golang (fiber), including request validation, asynchronous processing, database interactions, and integrations with internal services.
- **Data & Reliability:** Implemented validation and operational checks around telemetry pipelines to detect missing or inconsistent device data and improve production visibility.
- **Cloud & Networking:** Containerized backend services with Docker and configured Nginx routing across AWS EC2 and improving consistency between environments.
- **Backend Performance:** Developed and optimized Java, Go, and Node.js services handling real-time device requests and data processing, improving responsiveness under load.
- **Workflow Safety & AI Tooling:** Built safeguards around automated and AI-assisted workflows using persisted state, strict input/output validation, bounded execution, approval gates for risky operations, step-level logging, and regression tests against fixed scenarios. Used AI coding tools for implementation and debugging while validating generated code against system requirements and tests.

Software Engineer · [TeamSystem](#) · Hybrid Jan 2021 – Feb 2023

- **Backend APIs:** Designed REST APIs in Go (Gin, Fiber), Java (Spring Boot), and TypeScript(Node.js) for enterprise customers, improving response times about 25% through refactoring and database query optimization.
- **Database & Transactions:** Worked with relational database schemas, query optimization, transactions, validation, and concurrent write scenarios while building backend services and data workflows.
- **Reliability & Idempotency:** Improved API reliability through pagination, request validation, structured error handling, optimized database access patterns, and idempotent processing where repeated requests or events could otherwise create duplicate work.
- **Event-Driven Architecture:** Built event-driven processing with Go and Kafka, improving the speed and reliability of bulk data processing for enterprise workloads.
- **Identity Provider Rewrite:** Rewrote a Java-based identity provider in Go, improving maintainability, performance, and operational stability for enterprise authentication.
- **Ownership & Collaboration:** Owned backend components from implementation through deployment and production support, communicating implementation decisions clearly and raising issues early when requirements or technical constraints were unclear.

TECHNICAL SKILLS

Languages Go · Rust · Elixir · Java · TypeScript · Python · JavaScript · C#

Brokers Kafka · MQTT · RabbitMQ · NATS · Apache Pulsar · Mosquitto, gRPC

Cloud & Infra AWS (EC2, EKS, SQS, S3, DynamoDB, RDS, IAM, VPC, Lambda, Secrets Manager) · Docker · Kubernetes · Helm · Terraform · Nginx

Architecture Microservices · Event-Driven · Pub/Sub · Actor Model · CRON Scheduling

DevOps Argo CD · GitOps · CI/CD pipelines

Frameworks Fiber · Chi · Echo · Phoenix · Spring Boot · Express.js · FastAPI · Django · Next.js · React Native

AI Tooling Claude Code · Codex · Cursor · GitHub Copilot

EDUCATION

BSc, Computer Science · [State University of New York \(SUNY Empire State University\)](#) *New York, USA Jul 2020 – Jun 2023*