



Craig Irwin

Senior IoT Platform Engineer

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SKILLS

Java • Spring Boot • Kafka • Redis • MQTT • REST APIs • Microservices • Kubernetes • Docker • AWS • CI/CD (Jenkins) • Event-driven architecture

EXPERIENCE

Senior IoT Platform Engineer — NovaMesh Technologies

March 2023 – Present

Led the design and delivery of a distributed IoT platform built with Java, Spring Boot, Kafka, and Redis, enabling real-time telemetry processing and device management at scale. Implemented streaming pipelines and microservices with Kafka, achieving end-to-end latency under 50ms for critical telemetry routes and processing over 2 million messages per day. Normalized deployment via Kubernetes and Helm, established CI/CD with GitHub Actions, and improved platform uptime to 99.95%.

Senior IoT Platform Engineer — HelixWare Systems

June 2020 – February 2023

Led a team delivering Java Spring Boot-based microservices for IoT platform, with Redis for caching and session storage. Built Kafka-based telemetry ingestion and processing pipelines, increasing data throughput by 3x and improving reliability. Established CI/CD pipelines with Jenkins, Docker, and Kubernetes, enabling rapid and reliable deployments and reducing deployment time by 70%.

Senior Java Developer — Apex Embedded Ltd

January 2017 – May 2020

Developed Java Spring Boot REST services for IoT gateways, with Redis caching to reduce read latency. Integrated MQTT devices with Kafka streams to ensure reliable telemetry ingestion and near real-time analytics. Led code reviews, unit testing, and contributed to build automation with Maven and GitLab CI, improving release quality.

EDUCATION

M.S. in Computer Science

Port Christophermouth University

Graduated: 2013