



Trevor Mann

Junior IoT Software Engineer

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SKILLS

Go • gRPC • Kubernetes • Prometheus • OpenTelemetry • Docker • MQTT • CI/CD • Git • Linux • Distributed systems

EXPERIENCE

Junior IoT Software Engineer — Nebula IoT Solutions

September 2024 – Present

Developed Go-based microservices using gRPC for device provisioning and telemetry ingestion, reducing API latency by 28%. Deployed Kubernetes-based services with Prometheus monitoring and Grafana dashboards, achieving 99.9% uptime and faster incident response. Implemented automated CI/CD workflows and containerization, cutting release cycle time by 40%.

IoT Platform Engineer — CinderTech Labs

June 2022 – August 2024

Built Go services for edge device communication and gRPC APIs, reducing message serialization overhead by 25%. Implemented Kubernetes-based deployments with Prometheus metrics, improving system reliability and reducing MTTR by 30%. Led the migration of the telemetry pipeline to a containerized stack, supporting 250+ devices.

Software Engineer — NovaQuant IoT

May 2020 – May 2022

Implemented core Go services for device management and telemetry ingestion, achieving 20% lower latency. Contributed to Kubernetes deployments and Prometheus-based monitoring, enhancing observability and deployment consistency.

EDUCATION

Bachelor of Science in Computer Science

University of Waterloo

Graduated: 2020