

CRAIG MIDWINTER

SOFTWARE ENGINEERING LEADER

craig.j.midwinter@gmail.com | 1 (204) 899-2852 | Winnipeg, Manitoba, Canada | github.com/craigjmidwinter

SUMMARY

Engineering leader who builds AI products and the platforms under them. Led an engineering organization of ~50 across multiple product lines. Led development of a Kubernetes-native MLOps platform that spun off into an enterprise product, architected its open-source successor in Python and Go, and ships on-device ML inference in a commercial desktop product. 19 years in technology.

CORE COMPETENCIES

Engineering Leadership & Team Development • AI/LLM Product Engineering • ML Platform & Model Serving • Python Backend & Distributed Systems

EXPERIENCE

Lyntris (formerly Hypergiant / Accelint)

2019 - Present

Director of Engineering (prev. Lead Software Engineer)

- Led an engineering organization of ~50 spanning multiple product lines, client-facing delivery, and staff augmentation
- Coached and developed engineers, engineering managers, and technical leads to grow in their roles and take greater ownership of outcomes
- Led engineering hiring across multiple teams, defining interview processes and conducting technical assessments
- Scaled delivery practices incrementally as teams grew, introducing cadences and ceremonies based on team size and need rather than imposing process upfront
- Reported engineering delivery to the business unit's CSO in a bi-weekly senior leadership meeting
- Led development of Hyperdrive, the company's Kubernetes-native MLOps platform, which spun off into Andromeda360 as an enterprise product, in close collaboration with data science teams
- Architected and built the open-source iteration of Hyperdrive in Python and Go, including the hyperpackage model packaging format and fastapp, a FastAPI serving layer that auto-generates /predict, /batch, and /info endpoints from trained model packages
- Delivered high-throughput, event-driven data services and APIs supporting secure, real-time data ingest at scale
- Brought in to lead CommandCenter, a geospatial data visualization platform, improving Product/Engineering collaboration, reliability, and key feature delivery

Multicam Toolbox

multicamtoolbox.com

Creator & Sole Engineer

- Built and shipped Multicam Toolbox, a commercial Adobe Premiere Pro extension that automates multicamera podcast editing, distributed through Adobe Exchange and actively maintained
- Shipped on-device ML inference in a production desktop product: Whisper transcription, speaker diarization, and a bundled filler-detection model executed locally through ONNX Runtime

Pepper.com

2015 - 2019

Backend Developer — one of the largest deal-sharing platforms, global user base

Built and optimized backend services in PHP, Node.js, PostgreSQL, and Redis, improving scalability and reliability for a global user base.

Shaw Communications

2007 - 2015

Predictive Dialer Coordinator / Master Control Operator

Built internal tooling and legacy integrations in PHP, MySQL, and JavaScript, including a real-time productivity dashboard used by a department of 40-50.

PROJECTS

Ripline

github.com/ripline-ai

Open-source pipeline engine that makes multi-agent AI workflows repeatable. Typed JSON Schema contracts at every node boundary so a malformed handoff fails at the seam instead of propagating, resumable runs, and review phases that fan out to multiple AI CLIs and evaluate quorum before proceeding, so no single model's output is trusted unchecked. TypeScript/Node.js.

SKILLS

Leadership: organizational leadership at ~50 engineers, coaching engineering managers and technical leads, hiring and interview design, delivery practice, stakeholder reporting

AI & LLM: LLM orchestration, multi-agent systems, agent pipeline design, output validation and typed contracts, RAG and vector search (pgvector), MCP, Anthropic and OpenAI APIs, Claude Code

Python & backend: Python, FastAPI, Go, Node.js/TypeScript, microservice architecture, REST and GraphQL APIs, event-driven systems, Kafka, real-time ingest, PostgreSQL, Redis, Elasticsearch

ML platform: MLOps pipelines, model packaging and serving, training orchestration, reproducible containerized execution, on-device inference, ONNX Runtime

Cloud & DevOps: AWS, GCP, Azure, Kubernetes, Docker, Terraform, Flux, GitHub Actions, CI/CD, Prometheus, Grafana, Sentry

EDUCATION

Red River College

2007 - 2008

Computer Analyst / Programmer, Winnipeg, Canada (incomplete)