PATRYK GOLABEK

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GitHub: [PatrykQuantumNomad](#) | [TranslucentComputing](#) | [YouTube](#) | [Blog](#)

PROFESSIONAL SUMMARY

Platform Engineer and Technical Lead with 17+ years building production systems across healthcare, fintech, and cloud infrastructure. Deep expertise in Kubernetes (pre-1.0 adopter), Terraform and Infrastructure as Code (IaC), and AI/ML systems including LangGraph and agentic AI. Active open-source contributor with 86-commit contribution to LangFlow. Published researcher on deep learning for neonatal sepsis detection at SickKids Hospital. Technical content creator with an active YouTube channel featuring live coding streams. Published author on Agentic AI, DevOps, Apache Airflow, and cloud architecture. Secured $1.2M in funding and led cross-functional engineering teams delivering HIPAA and PIPEDA-compliant systems.

TECHNICAL SKILLS

Platform and Cloud: Kubernetes (Google Kubernetes Engine/GKE, Amazon Elastic Kubernetes Service/EKS, Azure Kubernetes Service/AKS, kind), Terraform, Terragrunt, Atlantis, Helm, DevSpace, Calico, Linkerd, nginx-ingress, Google Cloud Platform (Cloud Composer), Amazon Web Services (Lambda, SQS, EKS)

AI/ML and LLM: LangGraph, LangChain, LangFlow, OpenAI API, Anthropic API, Google Gemini, Ollama, Crawl4AI, TensorFlow, Keras (CNN, LSTM), Retrieval-Augmented Generation (RAG), multi-agent orchestration

Data and Workflow: Apache Airflow, GCP Cloud Composer, PostgreSQL, Redis, Elasticsearch, Apache Kafka, ETL pipelines, data pipelines, workflow orchestration

Backend Development: Python (FastAPI, Celery, SQLAlchemy, Slack Bolt), Java (Spring Boot), Go, TypeScript

DevSecOps: GitOps, Cloud Build, GitHub Actions, BATS testing, pytest, testcontainers, Prometheus, Grafana, Loki, Falco, HashiCorp Vault, Keycloak

Frontend Development: Next.js 15, React 19, TypeScript, TailwindCSS, Angular, shadcn/ui

WORK EXPERIENCE

Full-Stack Engineer (Contract) | *fiscal.ai* | Oct 2025 - Jan 2026

- Architected agentic AI web scraping system using Crawl4AI and LLM-powered extraction via OpenRouter
- Built full-stack platform: FastAPI + Celery backend, Next.js 15 + React 19 frontend, PostgreSQL, Redis
- Deployed on AWS Lambda + SQS with Prometheus/Grafana observability for high-throughput document processing

Software Engineer / Agentic AI (Contract) | *Benee-fit* | Jun 2025 - Sep 2025

- Designed agentic AI workflows in n8n automating Canadian insurance benefit claims processing
- Integrated AI automation into Next.js/React frontend for seamless claims submission user experience

Co-Founder and CTO | *Translucent Computing Inc.* | Oct 2010 - Jun 2025

Led technical strategy and engineering teams delivering cloud-native platforms in healthcare, fintech, and AI. Secured $1.2M in IRAP and client funding.

Platform Engineering

- Pioneered Kubernetes adoption (pre-1.0), delivering multi-cloud systems on AWS, GCP, and Azure
- Built GKE cluster provisioning with Terraform/Terragrunt and GitOps automation via Atlantis
- Deployed full observability stack: Prometheus, Grafana, Loki, Falco, OpenCost with custom Helm charts
- Implemented DevSecOps pipelines with Cloud Build, BATS test suites (kcov coverage), pre-commit hooks

AI/ML and Agentic Systems

- Kubert AI Platform: Open-sourced agentic AI for Kubernetes operations using LangGraph, LangChain, multi-LLM support
- LangFlow Contribution (86 commits): SSO/Keycloak integration, Prometheus/OpenTelemetry monitoring, Docker enhancements
- Neonatal Sepsis Detection at SickKids: Led CNN+LSTM deep learning research predicting Late-Onset Neonatal Sepsis (LONS) 24 hours before diagnosis
- Slack Bot Platform: Production bot with Python Slack Bolt + FastAPI, Kubernetes deployment, Redis, Prometheus

Healthcare and Fintech Platforms

- SickKids Legacy Data Transformation: Migrated 500M+ medical records from 20-year legacy NICU systems
- TEKStack Health: Architected SMART-on-FHIR Health Information Exchange (HIE) platform with ML-driven health summaries
- Wippy Pay (FinTech): Architected Buy Now Pay Later (BNPL) ecosystem with microservices, real-time credit risk analytics, led 4 dev teams
- CBB Connect: Transformed paper-based automotive valuation to cloud-native platform on AWS EKS
- CALIPER, SSPedi, Brain Tumour Bank: Multi-platform healthcare applications (Spring Boot, Angular, Ionic React)

Senior Software Developer | *PointClickCare* | Jan 2007 - Dec 2012

- Built secure, high-availability Java Spring backend systems for healthcare EHR processing millions of records
- Developed core clinical workflow modules under HIPAA and PIPEDA compliance

Java Developer | *SickKids Hospital* | Jan 2005 - Dec 2007

- Designed Java/Spring/Struts web applications for pediatric research studies

TECHNICAL CONTENT

YouTube Channel: [Translucent Computing - Agentic AI](#) - Live coding streams and tutorials covering Kubernetes deployment, LangFlow development, DevSecOps pipelines, Keycloak SSO integration, and agentic AI architecture

Featured Webinar: [Masterclass: Build a Production-Ready Kubernetes Slack Bot with DevSpace](#) - End-to-end walkthrough of Slack Bolt, FastAPI, cert-manager, external-dns, and Kubernetes deployment

Live Coding Series: Multiple episodes documenting real-world development including LangFlow PR contribution process, Prometheus/Grafana observability setup, Keycloak SSO end-to-end testing, and GitOps CI/CD pipelines with Terraform

PUBLICATIONS AND OPEN SOURCE

LangFlow Contributor: Major Pull Request with 86 commits adding SSO/Keycloak, Prometheus/OpenTelemetry monitoring, Docker enhancements ([PR #7346](#))

Research Publication: "Early Detection of Late-Onset Neonatal Sepsis Using Minimal Physiological Features" - CNN+LSTM model detecting sepsis 24 hours before diagnosis. SickKids Hospital Division of Neonatology collaboration.

Technical Blogs: Author of articles on Agentic AI, AgentOps, AI alignment, Kubernetes automation ([mykubert.com/blog](#)) and Apache Airflow, Cloud Composer, Terraform, data pipelines, cloud cost optimization ([translucentcomputing.com/blog](#))

Key Repositories: kubert-assistant-lite, webinar-slack-bot, kps-graph-agent (LangGraph), financial-data-extractor, kps-cluster-deployment (Terraform GKE), kps-observability-package

EDUCATION

Bachelor of Engineering, Electrical and Computer Engineering - Toronto Metropolitan University (Ryerson)

Canadian Army, 705 Communication Squadron - Deployed and maintained secure communication infrastructure