

Franklin Kuba

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EXPERIENCE

Coreli Solutions

June 2024 – Present

Independent software practice

Winnipeg, MB

- Provisioned and hardened an Ubuntu cloud server for a full stack application (SSH key authentication, non-root sudo user, UFW firewall, Fail2ban).
- Deployed a full stack application to production behind an Nginx reverse proxy, serving the backend with Gunicorn/Uvicorn workers.
- Configured a custom domain with DNS records, Let's Encrypt SSL with automated renewal, Cloudflare CDN caching, and security headers.
- Built a GitHub Actions CI/CD pipeline with pre-commit checks, automated tests, security scanning (Bandit, OWASP ZAP), and deployment with rollback.

Help Desk Support

June 2021 – June 2022

TTEC

Winnipeg, MB

- Provided Tier 1 help desk support to a global user base, diagnosing and resolving hardware, software, and account issues by phone and remote session.
- Troubleshoot VPN connectivity for remote users, resolving client configuration, authentication, and network access issues.
- Logged, tracked, and documented resolutions in Zendesk and Salesforce, turning recurring fixes into reusable troubleshooting steps.
- Used Excel and SQL reports to track case volumes and surface recurring issue trends.

PROJECTS

Hospital Readmission Risk Analysis

SQL, Google BigQuery, GitHub

- Analyzed 100K+ diabetic patient encounters from 130 US hospitals (UCI dataset, 1999 to 2008) to identify 30-day readmission risk drivers.
- Built a SQL data cleaning and profiling pipeline in BigQuery, producing a patient level cohort of 69,973 patients.
- Calculated a 9.0% baseline 30-day readmission rate and segmented risk by patient and encounter attributes.
- Documented queries, methodology, and findings in a structured GitHub repository for reproducibility.

Agentic Coding Assistant

Python, AI Agent, Tool Calling

- Built a Claude Code style AI coding agent from scratch in pure Python.
- Implemented an interactive chat loop with conversation memory.
- Added tool calling so the agent can take actions beyond text generation.

TECHNICAL SKILLS

Languages: Python, SQL, JavaScript, HTML/CSS

Frameworks: FastAPI, React, Node.js, Express

Infrastructure & Tools: Linux (Ubuntu), Nginx, GitHub Actions, Git, Cloudflare, Google BigQuery, Azure (fundamentals)

Familiar with: Docker, Kubernetes, Flask, Django

CERTIFICATIONS & TRAINING

Microsoft Certified: Azure Fundamentals (AZ-900)

Aug 2026

[View Credential](#)

SRE Fundamentals (Uplimit, with Google)

Course certificate

EDUCATION

Red River College Polytechnic

Winnipeg, MB

Diploma in Aeronautical Maintenance Engineering

2022 – 2024