

Etienne Noumen, P.Eng

AI Consultant and Part Time Specialist

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Professional Summary

Results-driven AI Consultant with 17+ years of expertise in data engineering, cloud infrastructure, and software development. Specialized in delivering part-time AI solutions that drive measurable business outcomes. Proficient in deploying cutting-edge AI technologies (Chatbots, Mobile/Web AI) and integrating them seamlessly into workflows. Adept at leading end-to-end AI projects, leveraging cloud platforms, and automating processes to optimize operational efficiency.

Open to part-time AI consulting roles with a proven ability to manage multiple projects while delivering impactful results.

Key Skills

AI & Machine Learning

- AI Chatbots & Workflows Implementation (DialogFlow, Azure OpenAI, Zapier, Make.com)
- Machine Learning Operations (MLOps)
- AI Integration in Mobile Apps(Google AppSheet, Google Vertex AI, Custom GPTs with OpenAI)

GIS

- ESRI QuickCapture Implementation (Mobile Apps and backend)
- ESRI ArcGIS Online
- ESRI ArcGIS Experience Builder
- ESRI ArcGIS PRO (Map building)

Cloud Platforms

- AWS: Glue, Athena, S3, DynamoDB, Lambda
- Azure: Azure DevOps, Power Automate
- Google Cloud Platform (GCP)

Data Engineering & DevOps

- Data Lakes, ETL/ELT Pipelines
- CI/CD Pipelines, Infrastructure as Code (IaC)
- Containerization: Docker, Kubernetes

Programming

- Python (Primary for AI)
- Node.js, JavaScript, HTML

Leadership & Collaboration

- Agile Methodologies (Scrum, Kanban)
- Technical Documentation
- Cross-functional Team Leadership

Professional Experience

Tech Lead Consultant

TC Energy, Calgary May 2023 – Present

- Spearheaded the development of **ESRI ArcGIS QuickCapture** using Arcade expressions, GitHub Copilot, Power Automate, and Make.com, significantly reducing data capture time and improving aviation safety.
- Delivered AI-driven insights through multiple end-to-end data science projects, enhancing operational decision-making.
- Oversaw technical implementation of software solutions, ensuring alignment with business goals.

Senior DevOps & Data Engineer

TC Energy, Calgary Dec 2017 – Apr 2023

- Led the **cloud migration** of DevOps tools, optimizing infrastructure costs by 30%.
- Designed and developed user-centric **iOS and PWA apps** for operational efficiency.
- Implemented scalable **data transfer pipelines** for ESRI QuickCapture using Power Automate.

DevOps Engineer Consultant

TC Energy, Calgary

Oct 2015 – Dec 2017

- Automated build and deployment workflows using tools like Octopus, TeamCity, and Azure.
- Migrated applications to Azure Cloud, implementing robust DevOps frameworks.

Senior System Administrator Consultant

Alberta Transportation via IBM, Edmonton

Mar 2012 – Sep 2015

- Designed and managed **Oracle Fusion Middleware** and Linux-based systems.
- Migrated and automated application environments, improving system uptime by 25%.

Highlighted Personal Projects

- **Podcast: AI Unraveled**
 - Created and host a popular podcast demystifying AI trends and innovations.
- **AI and Machine Learning For Dummies App**
 - Developed a mobile app featuring quizzes, simulators, and concept maps for AI education.
- **Read Aloud Wonderland Bedtime Adventures**
 - Authored and launched a multilingual storytelling app available on iOS, Android, and web.

Education

- **Bachelor of Software Engineering**
Laval University, Quebec City (2003 – 2007)
- **Associate Degree in Computer Sciences**
Laval University (2021 – 2022)

Certifications

- AWS Certified Developer Associate
- Agile and Scrum Training

- P.Eng with APEGA (Association of Professional Engineer and Geologists in Alberta, Canada)

Languages

- English (Fluent)
- French (Fluent)

Extracurricular Activities

- Volunteer Soccer Coach at Calgary South West United Soccer (2016 – Present)
- Independent mobile app developer, publishing free educational apps across major app stores.

Technical Blog & Community

- [Tech Blog](#) – Covering AI trends, innovations, and tutorials.
- [Substack Newsletter](#) – Sharing insights on emerging AI technologies.