

Amir Noorafkan

Engineer & developer — data, automation, project controls, web apps

Toronto, Canada

amir.noorafkan@gmail.com

amirnoorafkan.com

github.com/AmirNcode · in/amir-nrfkn

Analyst turned builder with 5+ years across data analytics, process automation, and project controls — including cost control on a **\$160M+** construction portfolio — who now also designs, codes, and ships production web applications end-to-end.

EXPERIENCE

Independent — Projects & Consulting

SEP 2025 – PRESENT

- Designed, built, and shipped three production web apps in six weeks (summer 2026): a live World Cup 2026 tracker (React PWA, adaptive-polling ESPN data), SimpleQR (client-side QR studio, React + TypeScript), and hausofballoons.ca for an events business — plus that company's full tech stack: website, email, and invoicing.
- Building a self-hosted ERP for an oil & gas equipment manufacturer (valves, wellheads, Christmas trees): department-by-department CRUD apps — HR first, then QC, finance, procurement — deployed on the client's own server infrastructure.
- Consult for small businesses on Shopify optimization (SEO, product filtering, delivery zones) and prototype SaaS products with Next.js and Supabase.

Data Analyst, Project Controls (PMO) · Aecon Group Inc., Toronto

AUG 2023 – SEP 2025

- Ran earned-value cost control across a **~\$160M** portfolio of heavy construction, including the York and Goreway battery energy storage systems (**~\$120M** combined) delivered for Capital Power.
- Automated extraction and dating of SAP project financials, eliminating manual collection (**5 hrs/week** saved) and enabling comprehensive Power BI financial dashboards (Power Query, DAX).
- Built a timesheet data pipeline for labour cost analysis — budget vs. actual hours, crew size, and productivity — surfacing oversized or over-budget crews for data-driven correction.

Senior Data Analyst, Finance Solutions · Element Fleet Management, Toronto

MAR 2023 – AUG 2023

- Led a Python system for parsing contracts and auditing billing discrepancies, expediting the audit of **30,000+** agreements.
- Automated weekly PostgreSQL/Snowflake data pulls with Alteryx, cutting processing from 3–4 hours to 1; maintained the team's Power BI KPI dashboard.

Data Analyst · Aecon Group Inc., Toronto

NOV 2021 – MAR 2023

- Led full-cycle delivery of an in-house fleet management data platform — database design, automated workflows, and leadership Power BI dashboards — driving adoption across teams.
- Geospatial fuel-consumption analysis with Python (Pandas, GeoPandas) and Azure Databricks/Spark SQL; automated manual scheduling and reporting with Power Platform and REST APIs.

Earlier

2016 – 2021

- Freelance web designer & consultant** (2020–21): e-commerce redesign and SEO driving **+50%** traffic; built a World Cup 2022 campaign site for an ad agency.
- Co-founder, Atlys Networks** (2019–20): data-privacy platform backed by startup accelerators, **2,000+** installs.
- Research engineer co-op, ArcelorMittal Dofasco** (2016–17): data-driven steel quality assessment via X-ray emissions; cut new-hire training time 80% with 5 SOPs.

EDUCATION

M.Eng., Aerospace Engineering — Toronto Metropolitan University, 2020

B.Eng., Materials Engineering (Economics minor, Co-op) — McMaster University, 2018

SKILLS

Python SQL TypeScript React Power BI · DAX
Alteryx Power Platform SAP data Earned value
Next.js Astro Supabase Firebase