

Daniel Pogodin

AI Automation Engineer | Full-Stack Developer | Electrical Engineer

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SUMMARY

Electrical engineer and self-taught software builder with 5+ years leading technical projects and hands-on experience building AI-assisted products, automation systems, and full-stack web platforms. I build practical tools around LLMs, data validation, human review, workflow automation, and business operations.

Target roles: AI Automation Engineer, LLM Applications Developer, Python Automation Developer, Full-Stack Developer.

TECHNICAL SKILLS

- **AI/automation:** LLM workflows, prompt-driven content pipelines, Claude/OpenAI/Google GenAI integrations, AI-assisted QA, human-in-the-loop review, safety gates.
- **Languages:** Python, TypeScript, JavaScript, SQL, HTML/CSS.
- **Web/product:** React, Vite, Tailwind CSS, shadcn/ui, Supabase/PostgreSQL, Firebase, Netlify, auth, payments, CRM flows.
- **Data/quality:** pandas, DuckDB, SQLite, ClickHouse, PostgreSQL, Playwright, pytest, Vitest, type checks, privacy audits, source-backed validation.
- **Engineering domain:** power systems, control panels, PLC, AutoCAD, Israeli electrical law and standards, project delivery.

SELECTED PROJECTS

Job Agent - AI-assisted job-search and application automation, 2026

- Built a Python automation system that imports job leads, normalizes records, scores role fit, generates outreach drafts, exports review queues, and creates guarded Gmail drafts.
- Implemented ATS detection, Playwright-oriented form scanning/fill plans, profile checks, approval gates, do-not-contact rules, submit guards, duplicate prevention, and anti-fabrication controls.
- **Stack:** Python, Playwright, BeautifulSoup, pandas, SQLite, Gmail API, pytest. **Verification:** 140 pytest tests passing locally.

Amiram Academy / AmirNet - AI-powered English exam prep, 2025-2026

- Built and maintained a React/TypeScript/Supabase EdTech platform with practice flows, premium access, user progress, coupons, payment integration, and dashboards.
- Built AI-assisted content pipelines for vocabulary, grammar, reading, mixed review, and listening workflows, including validation, audit, import/export, quarantine, rollback, and smoke scripts.
- **Stack:** React, TypeScript, Supabase, PostgreSQL, Claude API, OpenAI API, Google TTS, ElevenLabs, CardCom, Playwright, Vitest.

TDelectric / TD Academy - Electrical licensing exam simulator, 2025-2026

- Built a full-stack technical education product with 1000+ questions, timed simulations, progress tracking, authentication, premium access, and cloud sync.
- Implemented source-backed audits, official electricity-law imports, review workflows, committee data, release gates, CardCom entitlement checks, and premium-security scripts.
- **Stack:** React, TypeScript, Vite, Supabase/PostgreSQL, Netlify/Firebase, Google GenAI, CardCom, Sentry, Vitest, uvu.

Polymarket Wallet Intelligence / Research Lab, 2026

- Built market-data ingestion and research pipelines for wallet tracking, trader ranking, edge detection, watchlists, signal generation, paper/shadow monitoring, rebalancing, and risk gates.
- **Stack:** TypeScript, Node.js, PostgreSQL, SQLite, ClickHouse, Polymarket CLOB client, ethers, Python, pandas, Streamlit, Plotly.

SPY Sweep MSS Lab - deterministic trading strategy research, 2026

- Built research-only backtesting and monitoring infrastructure for earnings-based equity strategies, including data ingestion, feature generation, replay validation, OOS checks, reports, and IBKR paper safety gates.
- **Stack:** Python, pandas, NumPy, DuckDB, pyarrow, yfinance, IBKR APIs, exchange calendars, regression tests.

Portfolio Site - pogodin.co.il

- Built a React/TypeScript/Vite portfolio site with accessible layout, project data structure, Tailwind styling, Netlify configuration, and reusable components.

PROFESSIONAL EXPERIENCE

Project Manager - Ami et Yigal Electrical Contractors

2025

- Managed a strategic electrical project end to end: initiation, planning, execution, control, and handover.
- Led workforce/subcontractor coordination, supplier/client negotiations, contract analysis, pricing, proposals, and resource allocation.
- Developed AI-assisted tooling to improve pricing accuracy and operational process quality.

Project Manager - EMpower Energy IL Ltd

2023-2025

- Managed renewable-energy projects from planning through delivery, with responsibility for profitability, quality, schedule, and budget.
- Led teams and coordinated with customers in Israel and abroad; managed negotiations, specifications, planning review, and execution controls.

Electrical and Controls Engineer - YSB Group

2022-2023

- Designed electrical/control panels for large projects using Siemens, Allen-Bradley, and Sauter; handled PLC-related control tasks and site troubleshooting.

Electrical Engineer and Panel Draftsman - Luhot Rudov, Yavne

2020-2022

- Designed electrical panels and schematics; coordinated with the Standards Institute, customers, and suppliers.

EDUCATION AND LICENSES

B.Sc. Electrical Engineering, Power and Energy specialization - Holon Institute of Technology (HIT), 2018

- Final project completed with excellence; average above 90 in mathematics courses; invited to teach AutoCAD at HIT.

Licensed Chief Electrician, Israel.

LANGUAGES

Hebrew - native | English - professional working proficiency