linkedin.com/in/canntom github.com/tbuildr

Tom Cann

AI engineer. Database and infrastructure specialist.

Senior Oracle DBA at Atos. Developer, DBA, team leader and manager across finance, publishing, telecoms, utilities and the public sector. I also build AI apps and agents, and the servers they run on.

United Kingdom



1988–1993
Developer
SQL*Forms on Oracle v6

1993–2000
DBA and team lead
Six employers, including Sun Microsystems and Oracle

2000–2012
EDF
Senior DBA, SAP technical lead, then manager of a 13-strong database team

2012–now
Atos
Senior Oracle DBA on client projects, latterly in Azure

Recent work

The day job. Oracle 19c with Data Guard, Transparent Data Encryption, RMAN and Enterprise Manager on Red Hat in Azure. Bash automation for application patching, and a daemon that runs a client's batch processing. Low-level designs, standards and procedures for each build.

Building automazr taught me the modern stack end to end. I moved a Next.js app off Vercel and Supabase onto a server I provision entirely from code: Fedora CoreOS with Butane and Ignition, rootless Podman quadlets, Postgres 18, and Caddy behind Cloudflare's proxy, WAF, Access and authenticated origin pulls. A separate host runs Prometheus, Loki, Alertmanager and Grafana, and alerts by email.

AI agents are part of how I work now. I use Claude Code, opencode, Pi and oh-my-pi from written specs, then review what they produce. They run sandboxed: one Nix-built container image holds all four, with capabilities dropped and only the project mounted, or a micro-VM. I run local models through Ollama and llama.cpp to learn where open models hold up at tool calling and where they don't.

Projects

automazr

Live. Sign-in required; ask me on LinkedIn for a demo.

An AI-assisted web app on infrastructure I built and run myself. Next.js, Postgres 18 with pgvector, Better Auth with enforced TOTP, and Gemini for suggestions, with a fallback for when the model isn't available. Written with AI coding agents from my specs, then deployed to the self-hosted, monitored host described above.

Open automazr (https://automazr.tbuildr.dev)

tkube

Demo available on request.

Fixed workflows or an AI agent: which runs a Kubernetes cluster better? tkube puts n8n and kagent on the same kind cluster in rootless Podman so you can watch both handle the same problems. The agent's model is an open model running locally on my AMD GPU through the official llama.cpp ROCm image, so nothing leaves the machine. The whole lab comes up and down with one command from a devenv shell, and I demo it live over a Cloudflare Tunnel.

Request a demo on LinkedIn

tbzos

In daily use on my desktop and laptop.

My own Linux desktop, shipped as a container image. It's built on Bazzite (Fedora Atomic) with the Niri compositor and Noctalia shell, and has AMD and NVIDIA variants. GitHub Actions builds both, the image is rechunked, signed with cosign and published to GHCR, and machines update by pulling the new image, with a one-step rollback if it misbehaves. It also carries Kata Containers, YubiKey tooling and Nix.

More on GitHub (https://github.com/tbuildr)

Career

Atos 2012–now
Senior Oracle DBA (projects): new builds, Data Guard, RAC, ASM, Exadata, Fusion Middleware, release-update patching, cloud work in Azure, AWS and OCI. Joined from EDF by TUPE transfer.

EDF 2000–2012
Senior DBA and technical lead on the SAP CRM deployment. Database Services Manager for a team of 13 and a £1.5M+ budget: cut standby callouts by over 20% and set up a subject-matter-expert programme. Technical Support Manager on the SAP finance, procurement and HR rollout with Accenture.

Oracle 1999–2000
Senior Support Consultant in Premium Support's remote DBA service, plus pre-sales proposals.

Elsevier, Sequent, Lombard, Sun Microsystems, Bacon & Woodrow 1993–1999
Oracle DBA and team leader: release management, environment standards, upgrades and go-lives.

Ocella, Bacon & Woodrow, Hutchison Microtel 1988–1993
Analyst programmer: SQL*Forms, PL/SQL and data modelling on Oracle v6 and UNIX.

Certifications

- Oracle Certified Professional, Database Administrator: 7.3, 8i and 9i
- Microsoft Certified: Azure Fundamentals
- Foundation Certificate in IT Service Management