Ricardo Wagemaker

Edinburgh, UK | **07966272306** | **wagemra@gmail.com**
[Portfolio] | [LinkedIn] | [GitHub]

Professional Summary

I am a Platform Lead and hands-on Full-Stack Engineer with over 25 years of experience, including almost 17 years at NatWest Group. My career has a strong foundation in data protection, storage management and cyber resilience with a focus on modern platform strategy, cost management, and sustainable software engineering. As a Platform Lead, I successfully established and matured a specialized sustainability innovation team from a blank canvas within the technology division. This initiative drove innovation, resulting in the development of the multi-award-winning **NatWest Climate Dashboard**. Over a four-year period, I grew this team to manage a diverse portfolio of 13–15 distinct change streams, aligning technology and engineering capabilities with broader organizational sustainability goals. Today, I leverage decades of operational experience to champion sustainable software architectures, designs and integrate AI to build robust modern applications, and actively contribute to the open-source community on GitHub.

Core Competencies & Technical Skills

Leadership & Strategy

- Platform Leadership,
- Agile Methodologies, Product Ownership, Stakeholder Management
- Cost & Financial Planning, Risk Management
- People Management (leading a team of 15 engineers)
- Risk Management & Controls

Software Engineering

- Go, Python, React, JavaScript, Vite, SQL& noSQL
- Full-Stack Development
- API Design, fastAPI & GIN (Go)
- Application and Solution Architecture
- Sustainable Software Engineering

AI & ML

- Ollama (Local LLMs), Google Gemini, Amazon Bedrock, AmazonQ, GitHub Copilot, AI Integration, PGVector / Semantic Search

Cloud & Infrastructure

- GCP / Firebase, AWS, Docker, Terraform, Storage Architecture, CyberVault, PaaS / IaaS / SaaS (Software as a service)
- Infrastructure as a Service (IaaS)
- AWS Aurora, Kiro, GCP Firehosting, GCP Firestore
- Firebase Hosting
- CyberVault Implementation

Data & Databases

- PostgreSQL, MongoDB, SQLite, GCP Firestore, AWS Aurora

Tools & Ecosystems

- GitLab CI/CD, GitHub Actions, VSCode, Kiro, Antigravity, NetBackup, LTO Tape Libraries
- Mongo(noSQL), PostgreSQL (pgvector), SQLite
- Kiro, Antigravity, VSCode

Languages

- Dutch
- English (Full Professional Proficiency)
- Portuguese (Full Professional Proficiency)
- Spanish (Limited Working Proficiency)

Professional Experience

NatWest Group | Edinburgh, UK

Platform Lead of Sustainable Enterprise Solutions | *Jan 2022 – Present*
- Built a high-performing team from a blank canvas over the last 4 years, coaching 15 software engineers and challenging them to unlock their individual potential.
- Delivered a portfolio of over 13 internal banking applications by blending hands-on software development with strong leadership, ideation, and people skills.
- Steered the end-to-end development of an award-winning climate dashboard and extensive enterprise API data banks.
- Oversee comprehensive platform strategy, balancing costs, transformation projects, and team coaching.
- Drive sustainable software engineering practices—reducing the architectural carbon footprint.
- Leading responsible in-house AI tooling to improve application features and developer

efficiency.
- Direct application deployment across modern cloud environments, including IaaS, PaaS, and SaaS.

Head of Backup & Storage | *2018 – Jan 2022*
- Product Owner for 34PB+ of online and offline storage across multiple locations.
- Achieved 99.98% data protection success rate — 20,000+ backups & 3.5PB on single weekends.
- Involved in contract deals over £100M+.
- Managed ~50 people across the UK and India.
- Led design and deployment of a highly secure CyberVault during large-scale storage migrations.
- Successfully led all internal and external auditing processes for 3 consecutive years.

Technical Backup Manager | *2012 – 2018*
- Defined the overall backup strategy and delivered reliable backup solutions for the EMEA infrastructure.
- Spearheaded cost and finance planning for backup hardware, software licensing, and capacity growth.
- Led people management to grow team skills and ensure smooth operations.

Backup Specialist | *July 2009 – 2012*
- Provided expert-level administration for enterprise backup environments using NetBackup, Networker, DataDomain, and LTO Tape Libraries.

Senior Storage & Backup Consultant | 1995 – 2009

- T-Systems – Senior Storage Consultant (2007–2009)
- Atos Origin – Backup Consultant (2006)
- Centrica Plc – Senior Storage Support (2003–2006)
- Accenture – NetBackup / Storage Consultant (2001–2002)
- Symantec / Veritas – Technical Consultant (2000–2002)
- Legato Software – Support Analyst (1999–2000)
- Dell Computer – Network Support (1995–1999)

Open Source Contributions & Personal Projects

Passionate about designing and building useful applications in the open-source community, with a focus on tools that reduce computational needs and promote **green developer ecosystems**:

- **EasyEditor – AI-Powered Editor** ⭐ **Featured:** A professional, local-first Markdown editor with real-time previews, 130+ built-in features, and advanced diagram support (Mermaid, PlantUML). Fully integrated with AI and 8 specialist personas tailored for repo

documentation tasks.
- 🔗 http://www.easyeditor.co.uk

- **Terminal Intelligence (TI):** A lightweight, highly responsive, open-source CLI-based IDE written in Go. Features integrated AI assistance running Ollama, Gemini, Bedrock and other API based LLMs. Designed to reduce the energy footprint of heavy traditional IDEs.
- 🔗 https://gcclinux.github.io/terminal-intelligence/

- **SCMD – AI-Powered CLI Search:** An AI-powered command knowledge base using semantic vector search as both a CLI and Web UI in Go. Integrates with PostgreSQL, SQLite, local Ollama models, and Google Gemini.
- 🔗 https://github.com/gcclinux

Education, Training & Certifications

Education
- Computer Science
- Completed A levels equivalent

Certifications & Ongoing Training
- AWS Certified AI Practitioner (AIF-C01) — In Progress
- Climate Change Transformation Program — University of Edinburgh (12 Weeks)
- Determining to Lead & Challenging Potential — Leadership Development
- Full Stack Bootcamp — Certification
- Java Bootcamp Course — Certification