



Emma Thonfors

AI Data Engineer

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I'm an AI Data Engineer with a focus on AI, machine learning, and modern data platforms. I enjoy working across the full development lifecycle, from frontend and backend development to AI solutions, testing, and deployment. My curiosity has taken me from building LLM-powered applications to designing reusable prompt libraries and validation processes that help keep AI systems reliable. I care as much about the people behind a project as the technology itself, and I value turning ideas and business needs into solutions that create real value.

Skills

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|----------------------|-----------------------|--------------------|-----------------------------|
| • Python | • SQL | • PostgreSQL | • Pandas |
| • Prompt Engineering | • LLMs | • RAG | • Fine-Tuning |
| • AI Agents | • Multi-agent Systems | • Microsoft Fabric | • Azure |
| • Docker | • Git/GitHub | • Redis | • Node.js |
| • FastAPI | • JavaScript | • React | • Validation & QA Workflows |

Work Experience

AI Data Engineer, Sogeti

Mar 2026 to Present

- Developed features for an AI agent platform using technologies like Node.js, Azure, PostgreSQL, including a reusable caching utility built on Azure Managed Redis to support efficient data access across the platform.
- Built a reusable prompt library enabling role- and personality-based prompt composition for AI agent creation.
- Developed and tested AI agents for an Agentic ETL proof of concept, exploring how agent-based workflows could support ETL automation.
- Acted as the primary contact between the customer and technical team, gathering requirements, facilitating workshops and collaborating with architects, developers, data specialists and business stakeholders to translate business needs into technical solutions.
- Contributed to predictive modeling initiatives supporting data-driven decision-making in customer projects.
- Took responsibility for the deployment pipeline and developed automated QA workflows for Microsoft Fabric deployments, including schema verification and data quality checks.

AI Developer, Gmbi-insight

Oct 2025 to Mar 2026

Built and fine-tuned an AI solution for an online gambling addiction treatment platform using LLM fine-tuning, prompt engineering, and RAG.

- Developed a web-based validation platform for therapists and end users.
- Collaborated with therapists to iteratively improve AI-generated responses through prompt engineering and fine-tuning.
- Validated model outputs across diverse user scenarios to ensure quality and clinical alignment.
- Managed infrastructure with Hetzner, Docker, Celery, Redis, and Runpod serverless GPU endpoints.

Freelance - Fullstack Development, Wedding Website

May 2025 to May 2026

Designed, developed, and launched a full-stack wedding platform using React, FastAPI, Python, and PostgreSQL.

- Built custom event management functionality, including RSVP and guest administration.
- Developed an admin dashboard for communication and attendee management.
- Delivered the solution end-to-end, from requirements gathering and system design to cloud deployment.

Freelance - Web Development, Mentatt

May 2024 to Aug 2024

Contributed to the development of Mentatt's website, a mental health platform focused on improving access to mental health support across Africa.

- Improved and maintained an existing React-based website, working within an established codebase.
- Implemented internationalization (i18n), enabling the website to support five languages across different regions.
- Built reusable React Native components and contributed to the development of the company's mobile application.

Certifications

DP-900: Microsoft Azure Data Fundamentals

Education

Frontend Development

Chas Academy

2022 to 2024

AI and Machine Learning Engineering

Teknikhögskolan

2024 to 2026

Links

[GitHub](#), [Personal Website](#)