STEFFAN SAFEY

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EXPERIENCE

ClimateAligned
Software Engineer

March 2024 - Aug 2025
London, UK

Founding engineer at a startup providing a data platform using LLMs to extract companies' reported ESG data, to help investors make informed sustainable investment decisions.

· Planned and executed migration from a manually provisioned AWS environment to a scalable, secure IaC solution in GCP
· Investigated and fixed performance bottlenecks to scale data coverage and extraction throughput to required levels
· Iteration on prompt/extraction pipelines to extract high quality structured data from unstructured data sources
· Designed and implemented web scraping infrastructure to find, download and classify corporate reports. This reduced one year of FTE analyst work to 24h, and increased data product coverage by 8 times
· Introduced Docker builds, CI/CD pipelines, observability tools for logging & error monitoring
· Designed and implemented an LLM pipeline product used by analysts to iterate on extraction pipelines to deliver high quality structured data to clients.
· Rapid iteration and discovery of new agentic LLM products

Technology: Python, FastAPI, Vercel, Clerk, Playwright, Docker, Next.js, PostgreSQL, Terraform, Git, AWS, GCP, Sentry, OpenAI, VertexAI, Anthropic

Sportsflare (Acquired, Entain PLC)
Lead Engineer, Esports

March 2021 - February 2024
Wellington, NZ

A startup providing prematch and live market pricing products to bookmakers to cover professional esports fixtures.

· Led design and development required to rebuild a market pricing proof-of-concept into a reliable, production-ready system capable of using ML and data streaming technologies to schedule fixtures, ingest live game state, price and settle markets, and transmit this data to customers in real-time
· Designed and implemented the data model used to represent markets, prices and results, paired with the logic allowing for accurate, transparent, and auditable settlement of markets
· Owned the design and development of a bespoke data fusion service that ensured quality fixture data could be derived from a range of unreliable sources at scale. This became the most correct and broad source of data in the industry, and it empowered developers and traders to easily understand and debug the lifecycle of data
· Designed and implemented a data-warehousing solution to perform live analytics on coverage and pricing performance
· Acted as the PostgreSQL subject-matter-expert, aided in designing data schemas, performing migrations, and debugging complex performance issues as the company scaled up operations
· Aligned continuously with the CTO, Product, and Trading team to plan and prioritise the development roadmap
· As the team's technical mentor, reviewed code and provided guidance and training to other employees, helping multiple graduate engineers grow to become excellent self-directed engineers.
· Encouraged adoption of good development practices within the team while maintaining a rapid development cycle
· During this period, Sportsflare listed on the CSE, headcount grew from 7 to 23, and company valuation grew by 600%

Technology: Python, Docker, Apache Kafka, Microservices, PostgreSQL, Terraform, Git, AWS, React, Sentry, ClickHouse

Kakapo Technologies   February 2016 - September 2021
Senior Consultant Developer   *Wellington, NZ*

A consulting company for the AU/NZ finance industry. Placed in the Business Lending team at NAB.

· Design, implementation, and prioritisation of work on an enterprise software solution that managed the lifecycle of $40B+
  of business and corporate market loans
· Deep collaboration with Product and QA to ensure development of quality solutions, upholding strong test practices

Technology: C#, SQL Server, Powershell, Azure, Git, Octopus Deploy, Jenkins

Symtech Limited   May 2015 - January 2016
Software Engineer   *Hamilton, NZ*

Small business delivering solutions to clients requiring both software and hardware components.

· Development on an Android app like Uber, but for taxis, used by both the driver and the customer

Technology: Java, Android, MySQL

EDUCATION

University of Waikato   *2012-2015*
Bachelor of Computing and Mathematical Sciences
First Class Honors

INTERESTS

Tech:	Python, Git, PostgreSQL, Cloud Infrastructure, Kafka, Large Language Models
Sports:	Rock climbing, Hiking, Cycling
Hobbies:	Photography, Cooking