Matthew Fainman, Senior Full Stack Developer

Amsterdam, Netherlands, matthewfainman@gmail.com

LINKS

matthewfainman.com, GitHub, LinkedIn, QuackDB

PROFILE

Full-Stack Software Developer: Proficient in TypeScript, Node.js, AWS, and IAC. Focus on scalable, efficient solutions and infrastructure automation. Eager to tackle tech challenges.

EMPLOYMENT HISTORY

Jan 2024 — Present

Founder & Lead Developer, QuackDB

As the Founder and Lead Developer of QuackDB, I spearheaded the creation of an open-source, in-browser SQL playground and editor tailored explicitly for DuckDB. QuackDB is an intuitive platform for users to write, test, and refine SQL queries directly within their browsers, simplifying the interaction process with DuckDB databases.

Mar 2023 — Present

Senior Developer, Predictive Insights
Stellenbosch

In my current role, I oversee the full software lifecycle of a web application that enables global enterprise clients to access our company's predictive modelling insights. This includes developing intricate visualizations and graphical representations of analytical data to ensure a seamless and intuitive user experience. Additionally, I am responsible for DevOps and infrastructure management, ensuring the application's robust performance and reliability.

I played a pivotal role in transitioning the company from a consultancy-based model to a product-oriented framework. This transformation required me to lead the technical development, standardizing the web application through implementing Infrastructure as Code and adopting various DevOps methodologies. Beyond the technical aspects, I have guided vital product decisions, shaping the product's vision and strategy.

Technologically, my work is centred around leveraging advanced tools and frameworks, including React, AWS Cloud Development Kit (CDK), AWS Lambda, DuckDB (SQL), Tailwind CSS, and D3.js. My approach is characterized by an iterative development process, where I construct and refine proof of concepts and subsequently present these to stakeholders to align development objectives and business goals.

Apr 2022 — Feb 2023

Senior Developer, SovTech
Johannesburg

As the Senior Developer for a commercial hiring platform, I was entrusted with implementing the project's architectural framework and operational setup. My responsibilities encompassed the comprehensive planning and execution of system architecture, including integrating continuous integration/continuous deployment (CI/CD) pipelines, Docker containers, release automation scripts, and cloud service configurations.

As a greenfield project, I utilized modern technologies to achieve our objectives. This involved using Remix Run to develop dynamic web applications and various AWS services like Cognito for secure authentication and Lambda for efficient, serverless computing. To manage our data, I utilized PostgreSQL in Docker containers hosted on Fly.io to minimize cloud expenses.

In addition to my technical duties, I mentored emerging talent within the organization.

Jul 2021 — Mar 2022

Intermediate Software Developer, SovTech
Johannesburg

As a Software Consultant, I specialized in delivering tailored solutions to external clients within strict budgetary and timeline frameworks. My responsibilities encompassed the entire project lifecycle, from initial requirement gathering to deployment, focusing on aligning with client needs and expectations. My technical expertise was demonstrated by applying technologies such as React, NodeJS, GraphQL, Expo, and AWS RDS, enabling me to construct robust and scalable solutions across various domains.

During this period, I won the annual prize for showing the most potential and growth as a Technical Lead.

Jul 2020 — Jun 2021

Junior Software Developer, SovTech
Johannesburg South

As a Junior Software Consultant, I contributed to various client projects, focusing on developing and maintaining software solutions. My role involved collaborating with senior developers, learning to write clean and efficient code, and gaining experience in different technologies and industries.

EDUCATION

| Jan 2015 — Dec 2019 | **Bcom Hons in Economics, University of Cape Town** | Cape Town |
| | Courses included honours-level econometric modelling and mathematics. | |

LANGUAGES   English

NATIONALITY   I hold both EU citizenship and South African citizenship.