



SAM WILLIAMSON

Full Stack Developer

Full stack developer with hands-on experience across frontend, backend, databases, and deployment. I bring a positive approach, clear communication, and solid project coordination skills from my consulting background.

PERSONAL

-  www.samwilliamson.dev
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SKILLS

Languages & Platforms

- JavaScript, TypeScript, Node.js
- HTML, CSS, SQL, Tailwind

Frameworks & Libraries

- React, Express (REST), Apollo Server (GraphQL), Sequelize, Vite

Cloud & Infrastructure

- AWS (SAA-C03), CI/CD (GitHub Actions), Docker

Databases

- PostgreSQL, MongoDB

Testing

- Vitest, Jest, Playwright

Tools

- Git, Postman, ESLint

EDUCATION & CERTIFICATION

AWS SAA - C03

AWS Solutions Architect Associate, 2025

PSM1

Professional Scrum Master 1, 2025

Full Stack Open

Helsinki University, 2025

Bachelor of Earth Science (BSc)

University of Glasgow, 2017

PROJECTS

TriSwift

Activity Tracking for Triathletes

triswift-frontend.fly.dev/

Project for the Helsinki University Full Stack Open.

- Developed REST (Express) and GraphQL (Apollo Server) APIs for authentication and data operations.
- Implemented JWT authentication for secure login, protected routes, and role-based access.
- Designed and managed relational data models with Sequelize ORM.
- React & TypeScript frontend using Apollo Client for GraphQL queries and mutations.
- Integrated a custom Mapbox tool for interactive progress visualization.
- Unit tests with Vitest, E2E tests with Playwright.
- Containerized the application with Docker for consistent development and deployment.
- Deployed with Fly.io with automated CI/CD via GitHub Actions.

WORK EXPERIENCE

Environmental Consultant

Ramboll, Finland, 2023

Supervision of site environmental remediation.

- Soil & water sampling and contamination analyses.
- Communication with on site contractors to ensure smooth progress.

Geo-Environmental Scientist

Mason Evans Partnership, Scotland, 2018 -2021

Evaluating geotechnical & environmental constraints of sites for development.

- Managing multiple ongoing projects, communicating with clients & contractors.
- Utilising GIS software for geospatial analysis.
- Analysing stability of mineworkings & shafts.
- Design environmental & geotechnical test programs.
- Groundwater modelling.