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
- github.com/samw0907
- Espoo, Finland
- 0408361966
- swilliamson_0907@outlook.com
- English: Native, Finnish: Intermediate

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-based authentication with protected routes and role-based access.
- Designed and managed relational data models using PostgreSQL and Sequelize ORM.
- Built a React & TypeScript frontend using Apollo Client for GraphQL queries and mutations.
- Implemented a custom Mapbox component for interactive progress and location visualisation.
- Unit tests with Vitest, end-to-end tests with Playwright.
- Containerised the application with Docker for consistent development and deployment.
- Deployed to Fly.io with automated CI/CD pipelines using GitHub Actions.

WORK EXPERIENCE

Environmental Consultant
Ramboll, Finland, 2023

Supervision of site environmental remediaton.
- 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.