



# 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](http://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/](https://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.