SAM WILLIAMSON

Full Stack Developer

CONTACT

📞 +358 40 8361966

✉ samwilliamson_0907@outlook.com

📍 Espoo, Finland

🐙 github.com/samw0907

SKILLS

Languages & Platforms
- JavaScript, TypeScript, Node.js HTML, CSS, SQL, Java

Frameworks & Libraries
- React, Redux, Express, Apollo Client, Apollo Server, Sequelize, Vite

Databases
- PostgreSQL, MongoDB

Testing
- Vitest, Jest, Playwright

Tools & DevOps
- Docker, GitHub Actions, Fly, Postman, ESLint

EDUCATION

Full Stack Open
Helsinki University 2025

Bachelor of Earth Science with Honours
University of Glasgow 2017

LANGUAGE

English: Native

Finnish: B1.1

PROJECTS

TriSwift
Activity Tracking for Triathletes
triswift-frontend.fly.dev/

Project for the Helsinki University Full Stack Open.

- Built REST APIs (Express) for authentication and testing.
- Built GraphQL APIs (Apollo Server) for frontend data operations.
- Implemented JWT authentication for secure login, protected routes, and user-specific data.
- Modeled relational data with Sequelize ORM, including users, sessions, activities, transitions, and automated personal records.
- Developed frontend with React & TypeScript, using Apollo Client for GraphQL queries & mutations.
- Unit tests with Vitest, E2E tests with Playwright.
- Containerized the application using Docker for consistent development & deployment environments.
- Deployed to Fly with automated CI/CD via 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.
- Analysing stability of mineworkings & shafts.
- Design environmental & geotechnical test programs.
- Hazardous waste classifications.
- Groundwater modelling.