



# SAM SCHORB

## FULL-STACK DEVELOPER

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## PROJECTS

### Full-Stack Development

2020 – Present

- Built and deployed Toolsmith – A custom workflow management platform for a large upholstery business. Featuring a customer enquiry and sale workspaces and interactive Kanban board for job management.
- Frontend built using ShadCN & React and backend using Supabase, Prisma, NextJS and SWR.
- Developed Visions, a platform for creating generative art sketches using AI, allowing users to make digital art from text descriptions.
- Implemented code editor with live preview, API integration for multiple AI providers, and secure key management system.
- Developed RainCloud, a full-stack web application to enable MaxMSP users to create and interact with browser-based musical instruments using the WebAudio API.
- Created Droplets, a generative music streaming platform, utilising Express and MongoDB for unique music on each play.

### Embedded Software Development

2019 – Present

- Built a C++ musical sequencer with real-time audio, integrating multithreading for playback; a responsive user interface and sequence manipulation algorithms in C++, showcasing proficiency in real-time system design.
- Engineered a precision looping Eurorack module with CV clock, potentiometers, CV inputs, and audio I/O and endless encoder.

### Sabbatical

2018 – 2019

- Oversaw all legal, financial, and administrative responsibilities following my parents' passing.

## PROFESSIONAL EXPERIENCE

### Teaching and Classroom Support - Various schools, Sheffield

2013 – 2018

- Attained qualified teacher status with distinction.
- As class teacher of 9-10 year old children, helped pupils achieve results 18% above national average.

### Electronic Musician

2011-2018

- Released critically acclaimed music, receiving international airplay.
- Organized and performed at 'Algorave' live-coding events, demonstrating community engagement.
- Secured a major publishing deal, reflecting negotiation abilities and recognition of creative talent.

## PROFILE

Innovative Full Stack Developer and self-taught engineer with 5 years of expertise, specialising in NextJS, React, and product design. Creator of user-centric SaaS solutions and unique creative tools. With a background in teaching and music production, my approach is disciplined, collaborative, and continuously evolving, ready to contribute to and grow with a dynamic tech team.

## EDUCATION

Full Stack Open

University of Helsinki

2023

PGCE

Sheffield Hallam University

2017

Bachelor of Science (Hons)

GEOGRAPHY – 2.1

University of Manchester

2010

## TECHNICAL SKILLS

Typescript

Javascript

React

NextJS

Python

SQL

C++

Tailwind

Express

Vercel

Wordpress

Node

MongoDB

Supabase

CI/CD

Git

Prisma

VSCode

Jest

RESTful APIs

Pandas

SciKit Learn