

Multidisciplinary software engineer seeking opportunities to do good.

## **Attio – Senior Product Engineer**

*Jul 2022–Apr 2023*

Built flagship dotcom site, driving 1k+ signups in <24h on launch: a performant, server-rendered site pixel-matched to designs, with complex animations and CMS integration with Hygraph. Built product features with real-time updates, feature flags, and conflict resolution.

TypeScript · Remix · GraphQL · Cloudflare

TypeScript · Python · C · Go  
React · Redux · RxJS · Elm  
Flask · Express · Docker · AWS  
Redis · PostgreSQL · Remix

## **Awards & Responsibilities**

### **AWS Solutions Architect**

S.A. Associate (2021–2024)

Lambda · ECS · S3 · SQS · VPC

### **MLH Winner, HackTheMidlands**

Fast QR code payments with Stripe  
Firebase · RTDB · PaymentRequest

### **Minim: First Class Dissertation**

Offline-First Music Production Toolkit  
PWA · Web Audio · MIDI · Worklets

### **Best Use of AWS, HackUPC**

Prototype low-cost panic button.  
EC2 · Lambda · Express · SocketIO

### **JavaScript/Python Workshops**

Web Audio · RxJS · NumPy · Fractals

### **British Computing Society**

Committee member for 3 years

## **Education**

### **B.Sc. Computer Science (1<sup>st</sup>)**

*Grad. 2019, University of Birmingham*  
Modules included practical security, neural networks, nature-inspired computing, PL theory, Java, C, C++ and Haskell.

### **ITV – Scala Developer Internship**

*Jun 2017–Dec 2017*

Built a public API for recommendations; heavily load tested for >7k/s requests.

Scala · HTTP4S · Elm · Lambda · S3

### **MyOptique – Summer Internship**

*Jun 2016–Sep 2016*

Built an admin app to manage discounts.

Python · Django ORM · Angular JS

## **Alpima – Lead Front-End Engineer**

*Employee: Jun 2020–Mar 2022*

*Contract: Dec 2019–Jun 2020*

Hired, mentored and managed a new team of 6 engineers to overhaul flagship product offering managing \$1T+ in funds. Taught new concepts in workshops/pairing such as Observables and type variance.

React · Cypress · Python/NumPy · RxJS

## **Accenture – Contract Developer**

*Mar 2018–Sep 2018*

Rebuilt E.ON's green energy signup flow for UK and DE resulting in 10k+ new customers. Ran regular client-facing meetings; was jointly responsible for third-party vendor wrangling and QA testing.

React · Redux · Jest · Enzyme · AEM

## **Vanti – Full-Stack Internship**

*Jan 2018–Mar 2018*

Developed a luxury hotel experience. Introduced daily standups and agile approach; worked with legacy hardware.

Node · Apache Thrift · Kubernetes

## **Abide Financial – Contract Developer**

*Aug 2017–Jan 2018 (part-time)*

Regulatory data processing, 2M+ rows.

Python · Flask · XML Validation