Sam **Humby**

✉ samuellewishumby@gmail.com 📞 (+44) 0752 2271298 🏠 Manchester, UK

🔗 linkedin.com/in/sam-humby-167a58137 Ⓟ https://github.com/Samalot 🌐 samalot.dev

---

Work Experience

American Express | **Software Engineer** (Full-Stack)

Software Engineer I
Oct 2022 – Present

Software Engineer II
Sep 2020 – Oct 2022

- Maintained user-facing React apps and Java microservices in the Referrals department
- Improved Web Vital metrics by 200%+ by implementing Server-Side Rendering
- Managed and onboarded members of the technology team
- Owned A/B tests on platform features with $100 Million+ business value
- Championed accessibility by identifying 100+ fixes to become WCAG compliant
- Hosted team talks to promote emerging technology and Hackathons to promote innovation
- Implemented features in coordination with Product Owners and UX designers across teams
- Used Splunk to track and debug 1000s of events in production systems

American Express | **Software Engineer** (Graduate Scheme)

Sep 2019 – Sep 2020

- Automated reporting systems used by product teams, to save over 1 day per sprint
- Saved 4 days of QA effort per sprint by building product emulation tools
- Improved test coverage to a 95% threshold
- Directed the full release process of services in Jenkins
- Expanded the shared component libraries (typescript) – used across 3+ teams

University of Sunderland | **Software Engineer** (Full-Stack)

Oct 2017 – Jun 2019

- Lead Developer using Vue.js and a Backend RESTful API with Node.js
- Created a bespoke, scalable CRM for Energy Brokers
- Reformed data maintenance, implementing a PostgreSQL database, resulting in a reduction of lost sales
- Refined productivity with Agile project management
- Completed a 2-week residential course in Project Management

---

Skills

Languages	**Technologies**	**Methods**
JavaScript | TypeScript | Java | Python HTML5 | CSS3 | SCSS | SQL | C#	CI/CD | React | Redux | Next.js | Node.js | AI | Unit Testing | RESTful API | GitHub | APIs	Version Control (Git) | Agile | Object-Oriented Design | Mobile First | Algorithm Analysis

---

Projects

Quilgrove: AI Show | (AI)

2023 - Present

A Procedurally generated show, streaming 24/7, using LLMs to generate the script and Unity for the visuals

Solei | (Web App)

2021

Generates Blockchain rewards for solar panel owners, producers are paid in crypto, and funders are rewarded with custom tokens

Hackathon Winner
TrueSight | (Web App)

2020

Transparent content moderation on the blockchain, leveraging machine learning APIs for automatic detection

Hackathon Winner
AI Workshop | (AI) Teaching AI to SMEs

2018

A 12-hour AI course, delivered over 3 days, for SMEs looking to explore the application of AI

Advisify | (AI)

2017

Music Recommendation System (Research Project), using machine learning and collaborative filtering

---

Education

Durham University | Masters - *MEng, Computer Science* - 2:1