

HASSEEB HUSSAIN

London • contact@hasseeb.com • linkedin.com/in/hasseebhussain

British citizen, full right to work in the UK (no sponsorship required)

Product-focused full-stack engineer with 5+ years building software people rely on, across FinTech and GovTech. I ship features end to end in TypeScript, React, Node and Python on AWS, and I build AI into the core of products, from RAG and agents to the data platforms behind them. I founded a software business and sold it in 2024.

EXPERIENCE

Civic Marketplace

London

Full-Stack Product Engineer

Jan 2026 – Present

Stack TypeScript, React, Node.js, AWS, PostgreSQL, LLMs, RAG, vector databases

- One of three engineers, owning product engineering, data, APIs and the AI systems on a GovTech procurement platform serving public-sector buyers.
- Built the data warehouse and pipeline from scratch, unifying four sources into tens of thousands of procurement, supplier, contract and opportunity records that the founders and leadership rely on daily.
- Built two AI agents over the warehouse, a natural-language procurement search agent and an executive reporting agent, cutting reporting and data investigations from several hours to under five minutes.
- Led the end-to-end migration of the entire platform off low-code tooling onto a bespoke React and TypeScript application, building the core product UI and the supporting APIs.

Stotles

London

Full-Stack Software Engineer

Sep 2024 – Dec 2025

Stack TypeScript, React, Node.js, Ruby on Rails, OpenSearch, vector databases, PostgreSQL

- Product-facing full-stack engineer building core product features and UI in React and TypeScript for a public-sector procurement intelligence platform with 1,000+ weekly active users across 100+ customer organisations.
- Built search and retrieval over 30M+ procurement notices, tenders and documents using OpenSearch and vector databases, the backbone of the platform's document and tender intelligence.
- Rebuilt core application functionality during the migration from Rails to TypeScript, and found and fixed numerous data inconsistencies and bugs that improved the accuracy customers depended on.

Credit Canary

London

Founding Engineer (Contract)

Jul 2024 – Sep 2024

Stack Next.js, React, TypeScript, Node.js, Open Banking APIs

- Sole engineer brought in to turn a low-code prototype into a production MVP for an Open Banking lending platform (FF Awards 2025 Open Banking winner, TSB Innovation Labs partner).
- Designed and built the loan-application journey end to end in Next.js, including the full UI and UX, and shipped the production MVP in 12 weeks.
- Reached 80%+ application-journey completion, around four times the tools it replaced, processed 1,000+ applications and improved conversion by around 35% over the prototype.

mmob

London

Full-Stack Software Engineer

Jul 2021 – Jul 2024

Stack TypeScript, React, Swift, Kotlin, D3.js, Node.js, AWS Lambda

- Single-handedly designed, built and maintained the iOS and Android SDKs behind 20+ integrations across five major financial institutions, reaching 250k+ downstream users.
- Built core user-facing product features and UI in a large React and TypeScript codebase, with a strong focus on design and detail.
- Built eight interactive D3 dashboards tracking transactions, platform activity and commercial metrics, used by stakeholders including Mastercard, and implemented automated smoke tests that contributed to 99%+ service availability. Promoted from junior to full-stack engineer.

Shacksolutions
Founder & Engineer

London
Jul 2019 – Feb 2024

Stack Next.js, Node.js, MongoDB, web scraping

- Founded and ran a software business hands-on across product and engineering, acquired by a US buyer in February 2024 after they approached me directly.
- Built and grew Pingshack to 7,000+ members, 800 of them paying, with custom scrapers monitoring 100+ websites and delivering 50,000+ alerts over three years.
- Built the Next.js platform, including the full UI, and a Discord bot, reverse-engineering bot protection to keep the tooling working as sites changed their defences.

Zendesk
Software Engineer Intern

London
Feb 2017

Stack Ruby, Ruby on Rails

- Early Ruby on Rails internship; featured in a Mayor of London Team London youth-employment campaign with the Zendesk Neighbour Foundation.

SELECTED PROJECTS

RHUL Mobile
Founder and sole developer

Royal Holloway
2020 – Present

Stack Swift, React Native, Expo, Supabase

- Campus companion app for Royal Holloway, built and maintained single-handedly: 6,500+ downloads, 50,000+ app opens and a 5.0 App Store rating, grown entirely by word of mouth.
- Designed and built the entire UI and UX, rebuilding from native Swift to a cross-platform stack (React Native, Expo, Supabase), with university API integration and a live COVID-case tracker during the pandemic.

Kerbnow
Founder and sole developer

United Kingdom
2025

Stack React Native, Expo, camera APIs, AI/ML, computer vision

- Building Kerbnow, a UK parking-sign decoder for iOS and Android, designing and building the full product, UI and UX. It uses the camera and computer vision to read 50+ sign types and tell drivers, in plain English, whether they can park. Launching soon.

EDUCATION

Royal Holloway, University of London
BSc Computer Science, 2:1

Egham, Surrey

Sixth Form
A-levels AAA • Duke of Edinburgh's Gold Award

Hounslow, London

SKILLS

Languages. TypeScript, JavaScript, Python, Swift, Kotlin, Ruby

Frontend & Mobile. React, Next.js, Redux, D3.js, React Native, Expo

Backend & APIs. Node.js, FastAPI, Ruby on Rails, REST

Data & Search. PostgreSQL, MongoDB, Supabase, OpenSearch, vector databases

AI. LLM integration, RAG, agentic workflows, AI-assisted development

Cloud & Infrastructure. AWS, Azure, GCP, Docker

Languages (spoken). English, Punjabi, Urdu (all native)