

ZAIN ALI BUTT

London, UK |

zain@zain.org.uk |

[linkedin.com/in/zain-butt-dev](https://www.linkedin.com/in/zain-butt-dev) |

github.com/zainalibutt |

Unrestricted

UK right to work

Full-Stack Software Developer — Systems & Integrations

EDUCATION

City St George's, University of London

BSc Computer Science — Upper Second-Class Honours (69.3%)

London, UK

2023 – 2026

COMMERCIAL DELIVERY

Freelance Software & Digital Solutions Developer

Jun 2026 – Present

Self-Employed

London

- Scoped and delivered a shipment-operations platform for a cross-border logistics team using Next.js, TypeScript, Supabase and Vercel, replacing informal tracking with structured status and completion workflows.
- The client reported approximately 60% higher operational efficiency and near-elimination of routine tracking errors; secured a paid build and ongoing support relationship.
- Built and deployed a booking-enabled website around a private music tutor's service model; the client reported approximately two-to-threefold growth in engagement, enquiries and bookings after launch.

Invigilator

Nov 2024 – Present (seasonal)

Loxford School

London

- Apply formal procedures, communicate calmly with staff and candidates, support access arrangements and resolve incidents across regulated rooms of 10–220 candidates.

SELECTED SYSTEMS

ProofLens | *Secure multi-component architecture*

Oct 2025 – Apr 2026

github.com/zainalibutt/Proof-Lens · proof-lens.vercel.app

- Owned product definition, trust modelling and delivery across mobile, API, PostgreSQL/Supabase, AWS S3 and web layers; implemented fail-closed verification using SHA-256, device-held Ed25519 keys, server re-hashing and RFC 3161 timestamping.
- Prepared a bounded public release with CI, CodeQL/Gitleaks scanning, database-isolation tests and explicit security limitations. Awarded 83% overall and 100% in the viva.

Melody | *External data integration and reliability*

2026

github.com/zainalibutt/Melody · melody-terminal.vercel.app

- Integrated SEC EDGAR and delayed market-data providers behind an Express API, normalising errors and exposing source, freshness and cache age rather than silently presenting stale data.

IOU | *Workflow and relational-data design*

2026

github.com/zainalibutt/IOU · iou-lac.vercel.app

- Designed an Expo/Express/Supabase trip ledger with explicit participant sets, uneven expense shares, separate turn-based rounds, settlements and row-level access policies.

Lancaster Music Hall Management System | *Six-person team lead*

Jan – Apr 2025

- Coordinated requirements, work allocation, recovery, testing and handover while implementing critical Java/MySQL booking functionality. Awarded 75%.

CAPABILITIES & TECHNOLOGY

Delivery: Requirements discovery, workflow design, system architecture, API integration, data modelling, testing, deployment, documentation, stakeholder communication and ongoing support.

Technology: TypeScript, React, Next.js, React Native, Node.js/Express, PostgreSQL/Supabase, REST APIs, AWS S3, GitHub Actions, Playwright, Vercel and Railway.