ABBAS UDDIN

Software Engineer

London E7 · +44 7435 010523 · abbax.uddin@gmail.com
abbasuddin.dev · github.com/CodeAbbas · linkedin.com/in/abbas-dev

First Class Honours · ~150 automated tests · Published npm package · Azure • Terraform • Docker · 2× national IT competition winner

First Class Computing Systems graduate who builds systems spanning interface, API, storage and pipeline, and backs them with automated tests. Nearly six years behind a shop counter, alongside my studies, taught me who the software is for.

EDUCATION

BSc (Hons) Computing Systems — First Class Honours Ulster University London *Jan 2024 – Aug 2026*

- **Dean's List Award** for Outstanding Academic Achievement (2024/25). Modules: Server-Side Development, Cloud Native Development, Systems Security, Computer Networking, Data Analytics, Software Product & Process Management.

BSc Computer Science — 3 semesters, then transferred to the UK Sylhet International University *Sep 2022 – Dec 2023*

- **National IT Competition Winner,** Bangladesh Computer Council — 2022 and 2023.

ENGINEERING PROJECTS

BridgeDrop Next.js · React · TypeScript · Azure · Terraform · Docker github.com/CodeAbbas/BridgeDrop

- **Spans every layer.** Cross-device file transfer: React and Next.js interface, server-side API routes, Azure Cosmos DB and Blob Storage provisioned in Terraform, Application Insights telemetry; GitHub Actions lints, builds and publishes a Docker image on every push.
- **Secure by architecture.** Devices pair by QR code and upload straight to storage over short-lived, write-only signed URLs, so file data never touches the application server; room records self-expire on a 24-hour TTL.
- **Race condition, root-caused.** A fault that surfaced only when two devices joined within the same second: instrumented the join path, narrowed the window until it reproduced on demand, and fixed the cause rather than masking it with a retry.

osv-depguard Node.js · Vitest · published to npm, v1.1.1 (MIT) npmjs.com/package/osv-depguard

- **Shipped and maintained.** Command-line scanner that checks a project's exact installed dependency versions against the OSV.dev vulnerability database and ranks findings by severity with a fix command for each; three published releases.
- **Honest by construction.** Detection is fully deterministic. The AI layer may only explain findings the scanner has already confirmed, so the model can never invent a vulnerability or quietly drop a real one.
- **69 tests across 7 suites,** with fixtures built from known-vulnerable lockfiles so detection is verified against real cases.

PetPulse API Laravel · PHP · MySQL · GitHub Actions · final-year project github.com/CodeAbbas/PetPulse-API

- **~80 tests across 12 suites, run in CI.** Versioned REST API for a pet-care monitoring system, with token authentication and a secret-verified webhook for incoming device events.
- **Auditable by default.** Health records are shared with clinics through time-limited, audit-logged links; five written architecture decision records set out the reasoning behind each key design choice.

SelectionFurniture Next.js · TypeScript · MongoDB · Zod github.com/CodeAbbas/SelectionFurniture

- **E-commerce storefront** with product galleries, reviews and a persistent cart. An admin tool lets an LLM draft product listings, and every draft is validated against a Zod schema before it can reach the catalogue.
- **Python API for the same domain.** Separate Flask REST API with JWT authentication and role-based access control across user tiers (assessed in the 1st-class band).

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript (ES6+), SQL, PHP, Java, C++
Back end: Node.js, Express, Flask, Laravel; REST API design and versioning, JWT and token authentication, RBAC, webhooks
Front end: React, Next.js, Tailwind CSS, HTML5, CSS3; responsive, accessible interfaces
Testing and delivery: Vitest, PHPUnit, GitHub Actions CI/CD, Docker, Terraform, Git
Cloud and data: Azure (Blob Storage, Cosmos DB, Application Insights); MySQL, SQLite, MongoDB; schema design and migrations
AI tooling: Claude Code and GitHub Copilot daily, with output verified by tests and code review rather than accepted

EXPERIENCE

Sales Assistant Selection Furniture, London (part-time alongside a full-time degree) *Feb 2024 – Present*

- **Face-to-face sales of considered, high-value purchases:** work out what a customer actually needs, explain the options in plain language, and keep stock records reconciled against system figures.

Customer Service / Retail Sales Assistant Ali Store, Sylhet, Bangladesh *Apr 2019 – Jun 2022*

- **Three years of front-line retail service,** consistently meeting and exceeding sales targets.

English, Bengali, Hindi, Urdu · Right to work in the UK (Graduate Route visa) · London-based, available immediately