Noorun Nobi

Entry-Level Cybersecurity & IT Support · CompTIA Security+ Certified

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Portfolio: noor.noorfamily.uk · Eligible to work in the UK — no sponsorship required

PROFILE

CompTIA Security+ certified, looking for a first role as a SOC Analyst, Junior Cybersecurity Analyst, IT Support Technician or Service Desk Analyst. Currently an SIA-licensed Security Officer at the British Museum, handling incident response and reporting, access control, and first-line escalation of facilities faults. Outside work I run a Proxmox home server and security lab: seven isolated containers, reachable only through outbound Cloudflare Tunnels, with backups verified nightly instead of assumed. I host the applications I build on it. Most of my practical Linux, networking, deployment and troubleshooting experience comes from there. Two years of Computer Science at London South Bank University.

KEY SKILLS

Cybersecurity: Security+ fundamentals (threats & vulnerabilities, access control, network security, security operations) · incident identification, response & reporting · system hardening · intrusion prevention (fail2ban) · access-control systems

IT & infrastructure: Linux administration · virtualisation & containers (Proxmox / LXC / Docker) · networking (TCP/IP, DNS, DHCP, subnetting) · TLS / reverse proxy · backup & disaster recovery · Windows 10/11 · PC building & hardware repair · service-desk / ticketing workflows

Programming & data: Python · Java · C · JavaScript / TypeScript · Bash scripting & automation · Git / GitHub · data cleaning & processing (Python) · Microsoft 365 / Excel

Professional: attention to detail · calm under pressure · clear written & verbal communication · reliability and discipline (sustained night-shift work) · customer service & stakeholder handling

TECHNICAL PROJECTS (personal, self-directed)

Self-Hosted Home Server & Security Lab

- Built and administer a seven-container self-hosted Linux server (Proxmox / LXC) as a personal security lab. My portfolio website is hosted on it.
- Hardened the environment: key-only SSH, default-deny firewall, fail2ban intrusion prevention, TOTP two-factor authentication, network segmentation, least-privilege access.
- Ran a reverse proxy with automated TLS, then replaced it with outbound-only Cloudflare Tunnels so there are no inbound ports at all. Removed the proxy once I had checked nothing still used it.
- Implemented a scripted, automated backup and disaster-recovery strategy: weekly full-system backups to a dedicated SSD, photo libraries mirrored to a second drive, six-hourly application snapshots, and a read-only archive for irreplaceable files.
- A backup drive stopped appearing. I checked what was actually on it, and found a month of snapshots written as zero-byte files by a job that had reported success throughout.
- Rewrote the backup scripts to validate each snapshot and refuse to run against an unmounted target, then added a nightly watchdog that confirms every backup is restorable. Broke it on purpose to check the watchdog complained.
- Run network-wide DNS filtering to block ad, tracker and malware domains across all devices.

Retro Snake Arena — browser game built with AI agents, with security review

- Directed AI coding agents to build a browser game (Node.js, Express, SQLite, vanilla JavaScript and Canvas), specifying the work and reviewing every change. Deployed it self-hosted, with no framework and two runtime dependencies.
- Implemented Google-only sign-in with no stored passwords, session tokens held only as SHA-256 hashes, HttpOnly cookies, parameterised SQL, input validation, XSS escaping and rate-limiting.
- Signed each play session with a single-use token so the server can reject scores that arrive without one or that the game's own rules make impossible.
- Reviewed the codebase and found three problems: an unauthenticated score endpoint, an uncapped WebSocket payload, and a rate limit counting the CDN's IP rather than the visitor's, so it limited nobody.
- Wrote them up as a prioritised remediation plan and fixed all three. The WebSocket one stopped applying when multiplayer came out.

Patchwork — full-stack PWA delivered by directing an AI engineering team

- Delivered a live mood-board and visual-canvas PWA (React, TypeScript, Node/Express, SQLite) from my wife's original idea, directing a team of AI coding agents.
- I wrote the specs and the acceptance criteria, gave each agent a bounded lane, and made them review each other's work.
- I reviewed and browser-tested every change against a production build before release. Privacy, security, deployment and the final call stayed with me.

Other projects — more on GitHub: github.com/CourageToChange

- **Signal Room** — read-only operations console for the server above, built with an AI coding agent working to my spec (Python, FastAPI, SQLite, React). Four processes talk over Unix sockets and only one opens the database. No shell, no subprocess call, 115 backend tests.
- **LocalPhotoPDF** — offline Windows desktop app (C#, .NET, WPF) turning photos and scans into PDFs, with no account and nothing uploaded. Released publicly with a signed installer, checksums, an SBOM and build provenance. My review before release found eight defects, one a binary embedding the build path.
- **Bloom** — accessibility-first daily-puzzle web app with one real daily user. 17 puzzle types, no timers or streaks, and 59 automated tests, one of which fails the build if any countdown mechanic or pressure wording reaches a release. Self-hosted, invite-only.
- **South London Law Society website** — university team project: a case-management site for legal case submission, tracking, and solicitor/admin workflows (React, Node.js/Express, MySQL). Team-built; the source was not published.
- **StudyTrack** — native Android app that turns plain-text weekly study plans into daily checklists with widgets and reminders.
- **Private photo & file migration** — moved thousands of photos to a self-hosted library via CLI tooling with de-duplication, metadata preservation and least-privilege access.

EXPERIENCE

Security Officer — The British Museum, London

August 2024 — Present

- Provide front-line physical security at a major, high-footfall cultural institution.
- First point of contact when staff report a fault. I capture the details accurately and escalate through the control room to the facilities contractor, which is first-line intake and handover.
- Coordinate contractor access into restricted and high-security areas.
- Operate access-control systems day to day (card readers for staff RFID passes), respond to incidents to established protocols, and maintain accurate shift logs and incident records.

Door Supervisor — Regency Security Services UK Ltd, London

November 2022 — August 2024

- Monitored sites, enforced procedures and produced accurate incident records under pressure; made sound, defensible decisions and communicated calmly with the public.

Sales Assistant — Charles Tyrwhitt, London

January 2024 — March 2024

- Delivered professional customer service in a premium retail environment; handled customer queries, sales and records accurately.

Barista — Starbucks, London

October 2021 — December 2023

- Worked accurately at pace in a high-volume environment; supported colleagues.

CERTIFICATIONS & EDUCATION

- **CompTIA Security+** — certified October 2025 (valid until October 2028)
- **SIA Door Supervisor Licence · CCTV Licence · First Aid Certificate**
- London South Bank University - studied Computer Science at degree level, completing two of three years.

LANGUAGES

English — fluent · Bengali — fluent