

# Abdul Rafae

Chester, United Kingdom | +44 7417547395 | [abdul.rafae221@gmail.com](mailto:abdul.rafae221@gmail.com) | [abdule.rafae.vercel.app](https://abdule.rafae.vercel.app) | [github.com/LDMark1](https://github.com/LDMark1)

## SUMMARY

---

Full-Stack Software Engineer specialising in Python (Flask/FastAPI/Django) and React/Next.js, building scalable, high-performance web applications end-to-end, from system design through deployment and monitoring. Experienced in designing RESTful APIs, optimising database queries, and delivering data-intensive dashboards with sub-2s load times. Strong focus on clean architecture, performance optimisation, and production-ready cloud deployments.

## SKILLS

---

**Languages:** Python, TypeScript, JavaScript, SQL, C++

**Frontend:** React, Next.js (SSR/SSG), TailwindCSS, MUI, Component Architecture, State Management

**Backend:** Flask, FastAPI, Django, REST API design, JWT authentication, GraphQL

**Databases:** PostgreSQL, Data modelling, Indexing, Query optimisation

**Cloud & DevOps:** AWS, GCP, Docker, CI/CD, Linux

**Systems & Performance:** Async I/O, Concurrent request handling, Redis, Background workers, Observability

## PROFESSIONAL EXPERIENCE

---

### MonetizeMore

Remote

Software Engineer

June 2023 – Present

- Designed and optimised Flask backend services powering large-scale ad-tech reporting systems, reducing query latency by ~70%.
- Built and maintained React (TypeScript) dashboards serving high-traffic, data-intensive workflows with sub-2s P95 load times.
- Increased system throughput by ~40% through concurrent request handling and optimised query execution strategies.
- Engineered scalable data ingestion pipelines integrating Google Ad Manager and analytics APIs.
- Delivered revenue-share calculation engines and visualised financial reporting workflows end-to-end.
- Automated CI/CD pipelines to streamline build, test, and deployment cycles (+50% release frequency).

### WebCartCentral

Remote

Software Developer (E-commerce Platform)

April 2023 – Jan 2025

- Developed and customised Shopify storefronts using Liquid, HTML5, CSS3, and JavaScript.
- Engineered server-side workflows via Shopify Admin APIs and webhook integrations for order and inventory automation.
- Integrated payment gateways, analytics, and advertising APIs across frontend and backend layers.

- Optimised performance during ~200% traffic growth, improving checkout stability and mobile conversion rates.

## ReconVault

Remote

Software Engineer

Oct 2022 – May 2023

- Built responsive frontend interfaces for infrastructure monitoring dashboards.
- Developed Python-based diagnostics tools analysing DNS and AAAA records for security investigations.
- Refactored Flask backend services and implemented structured logging to improve observability (-15% downtime).

## PROJECTS

---

### Parcel Logistics Management Platform (NextGen Force Ltd)

*Python · FastAPI · React · PostgreSQL · Docker*

- Architected a full-stack logistics platform handling 1000+ daily operational records.
- Built FastAPI REST APIs with relational data modelling and complex filtering.
- Developed a React admin dashboard with role-based access control.
- Automated financial calculations and reporting (CSV/PDF exports), reducing manual reporting time by ~90%.

### Secure Authentication & Password Storage Prototype (MSc Research Project)

*Python · Cryptography · Backend Architecture*

- Designed and implemented an OPAQUE-inspired PAKE authentication system.
- Built secure client–server registration and authentication flows resistant to offline attacks.
- Analysed security and performance trade-offs compared to traditional password hashing systems.

## EDUCATION

---

MSc Advanced Computer Science, University of Chester

Jan 2025 – Jan 2026

- **Dissertation:** *Beyond Hashing: Exploring Secure Alternatives to Password Storage*

BSc Information Technology, Air University

Sept 2019 - June 2023

- **Final Year Project:** National child vaccination reporting data warehouse