MUHAMMAD HATEEM

SOFTWARE ENGINEER
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PROFESSIONAL SUMMARY

A final year Computer Science student with proven experience developing robust backend services, microservices components, and automated monitoring tools. Proficient in Java, Spring Boot, C#, and .NET, with practical experience containerizing applications via Docker and managing relational databases. Combines commercial agency experience with strong foundational knowledge in secure API design and systems optimization. Predicted to graduate with First Class Honours.

TECHNICAL SKILLS

Java | C# | SQL | Spring Boot | .Net | Umbraco CMS | JWT | Docker | Postman | Git | Kafka | Microservices | Figma | Restful APIs | Cross-Functional Team Collaboration | Agile/Scrum Methodologies

WORK EXPERIENCE

Software Engineer (Part-time, alongside studies) | Titan Webtech | Chester, UK **April 2026 – Present**

- **Collaborate** directly with **clients** to understand business requirements, translating their needs into working software through **iterative development** and regular check-ins.
- **Designed and developed an automated web monitoring (Uptime Tracker) tool** using **C#** and **.NET** to track health status metrics for all active client websites.
- Engineered a real-time background worker process that executes automated ping requests every **30 seconds**, capturing system latency anomalies and service availability flags.
- **Optimized relational database** by writing clean data persistence queries to continuously update log records, reducing data overhead for historical uptime tracking.
- Collaborated directly with senior engineers to transition from a **5-week intern** into a **permanent part-time engineer** by delivering high-impact internal service tools.

HOSPITAL APPOINTMENT SYSTEM | Personal Project | Chester, UK **July 2025 – Sep 2025**

- Developed a robust RESTful backend using **Spring Boot** and **MySQL** that handled 4 user roles (Admin, Doctor, Patient, Public).
- **Secured 15+** API endpoints by implementing **JWT authentication** and robust role-based access control (RBAC), ensuring data integrity across the system.
- **Streamlined** the patient experience by creating APIs that enabled users to browse doctors, book appointments, and track approval status in **real time** using efficient database querying.
- **Developed** comprehensive admin functionality to register new doctors and dynamically manage their available time slots.
- **Containerized** the entire application using **Docker**, ensuring a consistent and scalable deployment environment.

UI/UX DESIGNER & VICE TEAM LEADER | University Project | Chester, UK **Dec 2024 – April 2025**

- **Led** a 4-person team as Vice Team Leader to successfully design a high-fidelity, interactive charity donation platform prototype in Figma.
- **Synthesized** findings from **10+ user interviews** to develop 3 detailed personas and corresponding user journeys that directly aligned with core user needs.
- **Improved** the prototype's overall usability by **25%** following results from Heuristic Evaluations and System Usability Scale (**SUS**) testing.

EDUCATION & CERTIFICATIONS

BACHELOR'S DEGREE | Computer Science | University of Chester **2024 – 2027 (Expected)**
CERTIFICATION | Web Development | Aptech **2023**

ADDITIONAL EXPERIENCE

- Part-time Retail Assistant at **Sainsbury's**, | Managed transactions, assisted customers, and strengthened teamwork and communication skills in a fast-paced environment.
- Participated in **Hackathon** hosted by **Accelerate Me** in Manchester (November 2025) | Collaborated with a team to design and build a working prototype under a 8-hour deadline.