Vlad Mihai Vasile

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Work Experience

Jun.2022– Present **Barclays UK - Full-stack developer**
○ Working on a greenfield, customer-facing product for financial clients
○ Designed and built a dynamic, schema-driven UI dashboard using **TypeScript** and **React**, enabling real-time customisation without code changes
○ Leveraged **React Hook Form** for dynamic form generation and validation and **Tanstack React Query** for performant async data fetching and intelligent UI caching
○ Designed and implemented route-guarding and role-based access control to secure sensitive app routes and to prevent unauthorised access
○ Ensured **accessibility** compliance by adhering to **WCAG 2.1** standards, including semantic HTML, ARIA roles, keyboard support and screen reader compatibility
○ Built comprehensive **unit and integration tests** using **Jest**, **React Testing Library**, **Mock Service Worker** and **Playwright**, ensuring high test coverage and reducing regression risk
○ Contributed to a hybrid **microservices** architecture using both on-premise and **AWS** serverless infrastructure
○ Built **event-driven** services using **AWS MSK Kafka**, publishing domain events to support decoupled interactions between microservices
○ Developed and extended **RESTful API** endpoints and core business logic within a **Java Spring** backend service
○ Built a **Java 17 Micronaut AWS Lambda** to expose **RESTful API** endpoints and to encapsulate business logic and coordinate with distributed services
○ Enhanced an **AWS Lambda** to persist data in **DynamoDB** with **JSON Schema 2020-12** based validation, improving backend data integrity
○ Implemented resilient backend logic with parallel and retryable service calls to improve fault tolerance and ensure reliability in distributed workflows
○ Maintained and authored **Swagger/OpenAPI** documentation to support API clarity and effective collaboration between services users

Jul.2020– Jun.2022 **Barclays UK - Graduate programme**
○ *1st Year*: BI Developer - Supported **QlikView** to **Qlik Sense** migration for internal reporting
○ *2nd Year*: UI developer - Maintained and updated the external Careers Portal using **HTML, CSS, JavaScript and jQuery**

Jul.2018– Jun.2019 **MediaTek - Placement:**
○ Developed internal tooling in **C#**, **WinForms**, **ASP.NET MVC** and **JavaScript** including a monitoring system with **T4 HTML** templated alert emails and a library to replace FTP with a 3rd-party API

Education

2016–2020 **University of Manchester**, *Computer Science*, Graduated with First Class Honours.

2012–2016 **"Ion Luca Caragiale" National College**, *Computer Science Diploma*.
Romanian Baccalaureate (average of 9.5/10): Mathematics (9.8/10) and Computer Science (9.35/10)

Projects

May 2025 **Website CV**, *https://wvladmihai.github.io*.
○ Built a website using **Vite**, **React 19**, **TypeScript**, **Tailwind CSS 4**, **Shadcn UI** and hosted on **GitHub Pages**

March 2017 **BrumHack 6.0 - Game BlobBlob**, *https://www.brumhack.co.uk/*.
○ Developed, within a team of 3, a game in **C#** and **Unity** with two blobs cooperating to finish the level.

Sept–Nov 2015 **Website for the English Dept. of my college**, *http://caragialenglish.byethost32.com/*.
○ Created in **HTML** and **CSS** a website that provides information about department activities.

Languages and Certificates

English (Fluent), French (Fluent - DELF B2), Spanish (Beginner), Japanese (Beginner), Romanian (Native), ECDL