Vlad Mihai Vasile

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Work Experience

Jun.2022–Present **Barclays UK - Full-stack developer**
- Working on a new customer-facing greenfield project
- Engineered a dynamic, schema-driven UI dashboard using **TypeScript** and **React**, enabling real-time customization 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 mechanisms in React to prevent unauthorized access
- Ensured accessibility compliance across the UI, improving usability for screen readers and keyboard navigation
- Wrote comprehensive test coverage for React components with **Jest** and **React Testing Library**
- Contributed to a hybrid **microservices** architecture using both on-premise and **AWS** serverless infrastructure
- Developed and extended API endpoints and core business logic within a **Java Spring** backend
- Built a **Java 17 Micronaut-based AWS Lambda** to encapsulate business logic and coordinate with distributed services
- Enhanced an **AWS Lambda** integration to persist data in **DynamoDB** with **JSON Schema 2020-12** based validation, improving backend data integrity

Jul.2020–Jun.2022 **Barclays UK - Graduate programme**
- *1st Year*: BI Developer - helped with the migration of a large scale **QlikView** dashboard to **QlikSense**
- *2nd Year*: UI developer - updated the external Careers Portal using **HTML, CSS, JavaScript and jQuery**

Jul.2018–Jun.2019 **MediaTek - Placement:**
- Created a tool in **C#** and **WinForms** to query a database for statistics.
- Built a **C#** library to support transition from FTP to a 3rd party service.
- Implemented clean-up and file deletion for a components-updating tool, based on **XML** configuration.
- Developed a monitoring program which sends dynamically generated (**T4 TT**) **HTML** alert emails.
- Extended the functionality of the monitoring app to the browser using **ASP.NET (MVC), JavaScript**.

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** and **Shadcn UI** with deployment and hosting 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.

September–November 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.

Skills

Programming TypeScript, Java, C#, C, HTML, CSS, JavaScript, SQL

Business Skills **Communication and interpersonal skills. Critical and analytical thinking**.
- Took part in public speaking and debate competitions which honed my communication and argumentation skills.
- Deepened the understanding of others' problems and my ability to find convenient solutions.

Languages and Certificates

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