Aulia Amirullah Zulkarneidi
Web Developer

28 Blenheim House, 145-147 Westgate Road, Newcastle Upon Tyne, NE1 4AG

A developer who builds fast, clean, and responsive user interfaces that solve real business problems. I care about getting things shipped, looking great, and solving the right problems.

📞 +447308759156   ✉ auliaamir153@gmail.com   in linkedin.com/in/auliaamirullah/   🌐 auliaz.com

Work Experience

Greggs PLC   **January 2024 - Present**

Web Developer   Newcastle Upon Tyne, UK

- Developed and deployed a production-grade self-checkout kiosk app using Flutter (Dart) on Linux machines managed via Kubernetes, now rolling out across UK stores.
- Delivered key features including meal deal builder, product customisation, upselling, and loyalty integration, with full support for touch input and offline resilience.
- Created Dart libraries (models, order-sharing, loyalty) adopted across multiple systems, improving cross-team efficiency.
- Worked hands-on in Linux environments using SSH, Docker, and Kubernetes for local and remote debugging.
- Enhanced Greggs website pages (click and collect, checkout, gifting, menu, news) using Nuxt, Tailwind, and Storyblok CMS, with Git version control and deployment on Microsoft Azure with Pre-render approach.
- Wrote unit and integration tests with Jest, Vitest, and Flutter test; ensured high test coverage across sprints.
- Improved website accessibility scores from 78 to 89 (Lighthouse) and 83 (WAVE) through adherence to WCAG guidelines.
- Built guest checkout and mobile number change endpoints in DotNet and GraphQL, reducing customer support queries by 70%.
- Introduced page scroll position memory functionality, improving usability for 10k+ visitors monthly.
- Partnered with a Data Platform colleague in building data visualisations using D3.js, enriching customer insights.

Vi8e Interactive Pte Ltd   **April 2021 - November 2022**

Front-end Developer   Singapore

- Developed an Enterprise Resource Planning (ERP) system with VueJS and Server-Side Rendering, enabling streamlined business operations.
- Ensured cross-browser and platform compatibility, guaranteeing a smooth user experience across different environments.
- Collaborated with UI/UX designers and backend developers to ensure software security and optimized user experiences.

Universitas Sumatera Utara   **January 2017 - April 2020**

Web Developer   Indonesia

- Collaborated with cross-functional teams to gather user requirements and implement user-centric system designs.
- Engineered optimised web applications using PHP, CodeIgniter, Yii, HTML5, CSS3, JavaScript, MySQL and jQuery to enhance interactivity and performance.
- Led the development of multiple university systems, including cash flow management, a research portal, logistics tracking, and student dissertation management.

Technical Skills

- **Frontend:** Flutter, Dart, VueJS, Nuxt, React, NextJS, Pinia, Redux, Tailwind, Bootstrap, Three.js, GSAP, Framer Motion
- **Backend:** NodeJS, DotNet, Python (Flask, Django), GraphQL, MySQL
- **Testing:** Vitest, Jest, Cypress, Flutter Test
- **DevOps:** Kubernetes, Microsoft Azure DevOps, Git, CI/CD, SSH, Linux
- **Other Tools:** OnePub, TensorFlow, Storyblok CMS, D3.js, Power BI

Education

Newcastle University (Distinction)   **September 2022 - August 2023**

MSc Data Science (with Artificial Intelligence)   Newcastle Upon Tyne, UK

- Developed an interactive UI using JavaScript and D3.js to assist community analysts in understanding Echo Chambers.
- Designed a data visualization dashboard to analyze the Manchester Outbreak dataset, incorporating wind direction and red zone scenarios, with MS PowerBI, Python, and geolocation APIs to support users at all experience levels.
- Built advanced AI models, including a cycle GAN for generating animal faces from human photos, a language model for story generation using N-Gram and LSTM, and a ResNet-50-based classifier for bird species identification.

Universitas Sumatera Utara (2:1)   **September 2014 - January 2020**

BSc Information Technology   Medan, Indonesia

- Published a research paper in Computer Linguistics and Artificial Intelligence, creating a Python and Flask-based tool to interpret hematology data from Excel into natural language reports.