



# 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.

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### Work Experience

#### Greggs PLC

January 2024 - Present

Web Developer

Newcastle Upon Tyne, UK

- Developed a self-checkout kiosk app using Flutter on Linux and running on Kubernetes, now live in 5 stores handling 300+ daily transactions and increasing profits by 10%.
- Delivered features such as meal deal builder, product customisation, upselling, and loyalty integration, boosting development efficiency by 50% through early competitor analysis.
- Created reusable Dart libraries (models, order-sharing, loyalty) adopted across systems, improving code consistency.
- Managed debugging and deployment tasks in Linux environments using SSH, ensuring system reliability and uptime.
- Enhanced core Greggs website pages using Nuxt, Tailwind, and Storyblok, increasing traffic by over 10,000 monthly visitors through performance and UX improvements.
- Maintained robust test coverage using Jest, Vitest, and Flutter test, reducing bugs and improving sprint velocity.
- Improved website accessibility from Lighthouse score 78 to 89 and WAVE score to 83 by following WCAG standards.
- Built .Net and GraphQL endpoints for guest checkout and mobile number updates, cutting customer support queries by 70%.
- Introduced scroll position memory feature for better navigation, enhancing UX for over 10,000 monthly users.
- Collaborated on data visualisations with D3.js to support actionable customer insights.

#### Vi8e Interactive Pte Ltd

April 2021 - November 2022

Front-end Developer

Singapore

- Developed a cross-platform ERP system using Vue.js with SSR, now live on the App Store and Google Play.
- Ensured cross-browser compatibility and responsive UI, providing a consistent user experience.
- Worked closely with developers, designers and product people to deliver secure, optimised, and user-friendly features.

#### Universitas Sumatera Utara

January 2017 - April 2020

Web Developer

Indonesia

- Collected requirements and led implementation of user-centric web systems in collaboration with academic and admin teams.
- Developed interactive and high-performing applications using PHP, CodeIgniter, Yii, JavaScript, and MySQL.
- Delivered major university systems including finance, research, logistics, and dissertation management, improving operational efficiency.

### 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.