**Afzal Miah***Full-Stack Software Engineer | React, Ruby on Rails, User-Centric Product Development*

Edinburgh | affyzal@gmail.com | [LinkedIn](https://linkedin.com/in/afzal-miah/) | [GitHub](https://github.com/affyzal/Projects-Portfolio.git) | [Website](https://afzal-miah.vercel.app/)

## Professional Profile

Full-stack Software Engineer with 4+ years of experience designing, developing, and delivering applications focused on exceptional UX and product impact. Skilled in React, Ruby on Rails, and React Native, with a strong record of translating product and design goals into intuitive, high-performance features. Experienced in end-to-end ownership, from ideation and prototyping through QA and release, and close collaboration with product managers, designers, and users. Passionate about design systems, accessibility, and building products that create seamless, meaningful user experiences.

## Key Achievements

* Delivered user-centric product features that improved adoption and engagement, including an interactive Mapbox visualization module simplifying complex data.
* Championed UX-first development, ensuring usability, visual consistency, and accessibility across the product lifecycle.
* Collaborated with product and design teams to define user needs, validate design decisions, and ensure design system consistency across all features.
* Set up Docker-based environments and CI/CD pipelines with GitHub Actions, automating tests and linting to improve reliability and speed of product delivery.
* Drove design QA and testing processes and front-end optimization to ensure every release met high standards for usability and performance.

## Technical Skills

Languages & Frameworks: Ruby, Rails, JavaScript, TypeScript, React.js, React Native, HTML, CSS, Next.js, TailwindCSS  
Databases: PostgreSQL, SQL  
Cloud & DevOps: AWS, Firebase, Heroku, Docker, GitHub Actions, Google Play Console  
Tools: Git/GitHub, Storybook, Notion, AdobeXD, UML  
Operating Systems: Linux (Ubuntu), Windows

## Professional Experience

Software Engineer | Trubshaw Cumberlege | Aug 2022 – Present

* Delivered user-focused product features across web and mobile platforms, prioritizing UX quality, accessibility, and performance.
* Partnered with PMs and designers to translate concepts into high-impact user experiences, increasing feature adoption and reducing usability issues reported during QA.
* Built and maintained RESTful APIs in Ruby on Rails, supporting rich, data-driven product interfaces.
* Implemented Docker-based development environments and configured CI/CD pipelines using GitHub Actions, automating unit tests, linting, and build validation for efficient releases.
* Integrated Mapbox visualizations to create interactive user journeys, improving understanding and engagement with spatial data.
* Owned features end-to-end - from scoping and design to QA and iteration - reducing handoff delays and accelerating release cycles by ~20%.
* Contributed to roadmap and sprint planning, aligning product priorities with user outcomes and design goals.
* Improved frontend performance through caching, reducing load times by ~30% and enhancing perceived responsiveness.
* Built an offline queuing and sync system enabling app functionality without internet access, automatically processing pending requests on reconnection to enhance reliability and usability in low-connectivity environments.

Junior Software Developer | Trubshaw Cumberlege | Aug 2021 – Aug 2022

* Actively involved in feature prototyping and product planning, collaborating with product and design teams to develop user-centric solutions.
* Designed scalable data models and background workers in Rails, improving query efficiency and reducing API response times significantly.
* Supported data collaboration with Napier University, enabling academic research access and uncovering usage insights that guided key UX improvements and boosted retention.
* Developed and tested user-facing features using Ruby on Rails and React, ensuring UX consistency and accessibility.
* Participated in architecture discussions to define API design, data flow, and maintainability.
* Supported Agile sprint cycles, retrospectives, and QA processes to improve product quality and delivery efficiency.

## Education

**University of Dundee** | BA (Hons) Applied Computing (2:1) | 2017 – 2021

**Stewart’s Melville College**

Advanced Higher Computer Science & RMPS (A,C) | 2016–2017  
Higher Maths, Computer Science, Product Design & others (AAABBC) | 2015–2016

## Projects & Portfolio

* [Election Project](https://github.com/affyzal/Infographics-ARGTech-Honours-Project): Data visualization of debate sentiment.
* [Game Project](https://www.youtube.com/watch?v=_fX05zkj7ps&feature=youtu.be): Developed interactive 2d side scroller platforming game.

## Core Competencies

* User-Centric Product Development: Design and build features that deliver clear user value and align with product vision.
* UX & Design Collaboration: Deep understanding of accessibility, usability, and design-system implementation.
* Product Ownership: Manage feature lifecycles from concept to delivery, ensuring impact and technical excellence.
* System Design: Skilled in Rails architecture - Models, Controllers, Serializers, and background workers.
* DevOps & CI/CD: Experienced with Docker environments and GitHub Actions automation for efficient delivery.
* Agile & Experimental Mindset: Balance rapid iteration with UX polish to ship value to users faster.
* Continuous Learning: Explore AI tools, emerging frameworks, and design methodologies to enhance product UX.