

Arshad Anwer

Senior Software Engineer

Software Engineer with **11 years of experience** building and scaling enterprise web applications across **Node.js, .NET, and modern frontend frameworks (React, Vue.js)**. Experienced in full-stack architecture with a recent focus on **Platform Engineering**, including **AWS orchestration** and **CI/CD automation**.

Contact

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Education

Bsc (Hons) in Software Engineering
University of Staffordshire
United Kingdom
2013

Skills

Engineering & Architecture

Full-Stack System Design

SOLID Principles

Design Systems &
Component Architecture

Performance Optimization
& Caching

Experience

DEVOPS ENGINEER (PLATFORM & INFRASTRUCTURE) | TOTARA
Jan2025 – Present

- Architected and orchestrated **AWS EC2** and **ECS** environments using **Terraform** and **Ansible**, creating a standardized internal platform for demo and testing fleets.
- Led the modernization of the "path to production" by building cloud-native **GitHub Actions** pipelines, reducing deployment friction and increasing release velocity.
- Managed the end-to-end migration from self-hosted Bitbucket to **GitHub Enterprise Cloud**, including the automation of metadata transfer and repository restructuring.
- Designed and developed internal CLI tools and cloud integrations using **Node.js (Typescript)** and **Vitest** to replace legacy scripts, improving the reliability of daily engineering workflows.
- Re-engineered Jenkins pipelines and improved PHPUnit test execution by supporting PHP based application workflows, increasing reliability and signal quality in automated testing.
- Adopted AI-Assisted development as part of daily engineering workflow for internal tooling, infrastructure scripts, and pipeline work.

Frontend

React / Next.js / Vue.js / TypeScript

State Management

Unit & Component Testing (Jest / Vitest)

Modern CSS (BEM, Tailwind)

Backend & Infrastructure

Node.js / .NET

RESTful APIs, GraphQL & Microservices

MSSQL / PostgreSQL

AWS (ECS, EC2, ECR, S3)

Docker & Containerization

CI/CD (GitHub Actions, Jenkins)

Infrastructure as Code (Ansible / Terraform)

AI-Assisted Development

GitHub Copilot

Claude Code

FRONT-END DEVELOPER | TOTARA

Feb 2020 – Jan 2025

- Ensured all products maintained strict compliance with WCAG 2.1 AA accessibility standards.
- Developed a library of reusable core components using **Vue.js**, utilizing **Jest** to ensure high test coverage and development efficiency.
- Collaborated with the backend team to define and consume **GraphQL APIs** across the frontend.
- Utilized **BEM methodology** to architect and maintain a clean, scalable, and readable CSS structure.

SENIOR SOFTWARE ENGINEER | QIJANG TECHNOLOGIES

May 2019 - Jan 2020

- Architected and delivered a scalable Warehouse Management System with integrated mobile fulfillment, currently supporting a rapidly growing client base.
- Mentored junior developers in **React** and **Angular**, accelerating team proficiency and reducing onboarding time.
- Collaborated with the design team to bridge the gap between UI/UX concepts and technical implementation.
- Developed a modular library of reusable **React (Typescript)** components to standardize development across projects.
- Developed an AI-powered chatbot web application utilizing the Rasa framework.
- Prototyped a cross-platform mobile application using React Native to validate product market fit.

SOFTWARE DEVELOPER | SEB: NORDIC CORPORATE BANK

March 2015 – May 2019

- Built and maintained an insurance advisory system, which increased sales and customer satisfaction, and was presented at the annual meeting year 2016 by the CEO as a stepping-stone of innovation.
- Designed modular library of **React (TypeScript)** and **Chart.js** components.
- Designed scalable state management patterns using **Redux** and **NGXS**, ensuring predictable data flow across complex React and Angular applications.
- Shipped the bulk of a large-scale frontend migration from **Angular 6 to React (Typescript)**.
- Boosted code coverage over 85% in .NET back-end project.
- Developed micro services and web APIs in .NET.
- Led a cross-functional **.NET/Frontend** team using **Agile** methodologies to deliver localized solutions for the Irish market.

Projects

DIGITAL ASSET PLATFORM | FULL-STACK PROJECT

www.contributor.pixxellent.com

Sept 2024 - Present

- Developed a specialized platform for high-resolution photography, currently in a private beta phase with a closed circle of contributors.
- Platform is built end-to-end using Next.js (React, Typescript), Node.js (Fastify) and PostgreSQL as the primary data store.
- Utilized Redis for data caching and RabbitMQ for asynchronous task queuing to ensure a reliable and performant user experience.
- Automated the deployment workflow using GitHub Actions to build and push Docker images to Amazon ECR, managing the environment via AWS ECS.
- Actively architecting an administrative portal to streamline content management and platform moderation.
- Using Claude Code throughout development, testing, exploring architecture options and code review.