

Arshad Anwer

Senior Software Engineer

Senior software engineer with 11 years building enterprise web applications in Node.js, React, Vue and .NET. Since 2025, also the infrastructure they run on. AWS environments orchestrated with Terraform and GitHub Actions release pipelines, plus internal tooling in TypeScript. The move into platform engineering was deliberate. Cover the full path to production, then make it dull to run.

Contact

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Education

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

Skills

Architecture

Design Systems
Performance & Caching

Frontend

React / Next.js / Vue.js /
TypeScript
Testing (Jest / Vitest)
CSS (BEM, Tailwind)

Backend & Infrastructure

Node.js / .NET
RESTful APIs, GraphQL &
Microservices
PostgreSQL / Redis /
RabbitMQ
AWS (ECS, EC2, ECR, S3)
Linux / Docker
CI/CD (GitHub Actions,
Jenkins)
IaC (Ansible / Terraform)

AI-Assisted Development

GitHub Copilot
Claude Code

Experience

DEVOPS ENGINEER (PLATFORM & INFRASTRUCTURE) | TOTARA

Jan 2025 – Present

- Run the AWS environments for the demo and testing fleets. EC2 and ECS, **Terraform and Ansible**, one standard setup for the whole fleet.
- Introduced ephemeral CI infrastructure on in-house Proxmox servers, writing a custom **GARM provider** that provisions short-lived VMs and GitHub Actions runners on demand. Now running under load on a parallel pipeline before it replaces the static runner fleet.
- Led the rebuild of Totara's release pipelines in **GitHub Actions**. The groundwork is done and releases run through them daily.
- Maintain the **PHPUnit** test pipelines across both generations, Jenkins for older Totara releases and GitHub Actions for the latest.
- Managed the migration from self-hosted Bitbucket to **GitHub Enterprise Cloud**, including the automation of metadata transfer and repository restructuring.
- Replaced legacy scripts with internal CLI tools and cloud integrations, written in **TypeScript** and tested with Vitest.
- Integrated Claude Code and Copilot into daily platform work. Internal tooling, infrastructure scripts and pipeline changes all go through an AI-assisted design and review loop.

FRONT-END DEVELOPER | TOTARA

Feb 2020 – Jan 2025

- Built and maintained core components in **Tui**, Totara's Vue component library, used across Learn and Engage.
- Accessibility was a hard requirement. Every component met **WCAG 2.1 AA** before it shipped.
- Collaborated with the backend team to define and consume **GraphQL APIs** across the frontend.
- Wrote component tests in Jest and kept the CSS on strict BEM conventions.
- Reviewed the team's frontend work and mentored junior developers.

SENIOR SOFTWARE ENGINEER | QIJANG TECHNOLOGIES

May 2019 – Jan 2020

- Co-led a team of 5 building a warehouse management system in **React, Node.js and TypeScript**. Led the frontend architecture and shared system design and delivery.
- Maintained client websites, which included profiling page loads in **Chrome DevTools** to find and fix bottlenecks.

SOFTWARE DEVELOPER | SEB, VIA INSCALE (SEB ASIAN DEVELOPMENT CENTER)

Mar 2015 – May 2019

- Built and maintained an insurance advisory system. The CEO presented it at the 2016 annual meeting as a stepping-stone of innovation. Advisors used its Chart.js views of policies and risk levels in customer meetings.
- Shipped the bulk of the frontend migration from Angular 6 to **React (TypeScript)**.
- Built microservices and web APIs in **.NET**, and took back-end code coverage past 85%.
- Started SEB's Ireland team as one of two developers, switching to React to build advisory tools for the Irish market.

Projects

DIGITAL ASSET PLATFORM | FULL-STACK PROJECT

www.contributor.pixxellent.com

Sept 2024 – Present

- Building a platform for high-resolution photography, now in private beta with a closed circle of contributors. **Next.js (React, TypeScript)**, Node.js (Fastify) and PostgreSQL.
- Uses Redis for caching and RabbitMQ to queue the heavy work off the request path.
- Automated the deployment workflow using **GitHub Actions** to build and push Docker images to Amazon ECR, managing the environment via AWS ECS.
- Built a multi-agent Claude Code workflow with specialized sub-agents for architecture, security, QA, test writing and docs, driven from GitHub Projects via MCP. Every merge is manually reviewed, and approved state feeds a session file so each piece of work starts clean.
- Migrating the query layer from Objection.js to Kysely through that workflow.