

Marcus Redgrave-Close

Senior Full Stack Developer

SKILLS

Frontend Development

TypeScript, JavaScript, React, Angular 2+, Redux, Vitest, Jest, Cypress, Storybook, Turborepo, nx, RxJS, Material-UI, Tailwind, D3, HTML, CSS, SASS

Infrastructure, Automation & Tooling

AWS, Docker, Terraform, AWS CDK, Ansible, ELK, Serverless Framework, Redis, Memcached, RabbitMQ, SQS, SNS, Github Actions, AD Pipelines, Git, Datadog, Sentry, Atlassian Stack

Backend Development

Python, Django, Django Rest Framework, C#, C++, .NET Core 6+, Entity Framework, SQL, PostgreSQL, SQL Server, SQLite, MongoDB, PyTest, xUnit

Soft Skills

Have led & managed multiple development teams; Scrum master experience; Roadmap planning; Product Design & UI/UX, including tooling (Figma, Sketch); Autonomous & self-organised

PROFESSIONAL EXPERIENCE

Senior Full Stack Developer

Incremental Solutions Ltd

Feb 2024 - Present (1 year, 6 months)

TypeScript, React, Redux, Material-UI, C++, C#, .NET Core, Entity Framework, SQL Server, AWS

- Successfully delivered an innovative green-field project within the UK Rails Industry for identifying speed restrictions:
 - Architected an event-driven micro-service architecture and led on the development end-to-end in a full-stack role.
 - Led on decision-making, roadmap planning, prioritising and setting expectations within the team.
 - On the frontend, implemented a monorepo architecture to support building & deploying multiple apps & packages with shared components & services.
 - Developed an ETL Serverless pipeline (with AWS Lambda, SNS, SQS, C# & .NET Core) to ingress schedules & live gps events and transform them into meaningful data.
 - Wrote performant backend code & SQL queries for storing, querying and aggregating large datasets with minimal latency.
 - Set up AWS infrastructure & automative provisioning of it via AWS CDK to support multiple production environments.
 - Designed UX/UI and created Figma mocks for the end-to-end flow of our web application.
 - Defined coding standards, abstractions & best practises with documentation, testing, mentoring & peer reviewing.
 - Collaborated directly with customers, CTO & our Product Owner to design new features, review requirements and general product design.
 - Mentored, peer-reviewed and resolved blockers, issues & conflict within the team quickly.
- Currently re-architecting a prototype computer vision (built with C++ and OpenCV) application for monitoring overhead lines on moving trains, with the aim of reducing tech debt and cost, improving scalability and making it easier to extend and maintain.

Lead Full Stack Developer

Ernst & Young

Nov 2021 - Jan 2024 (2 years, 2 months)

TypeScript, React, Redux, Material-UI, Python, Django, PostgreSQL, AWS, Azure

- Developed and shipped new features end-to-end, including architecting, designing, coding, testing, deploying & debugging.
- Recruited, onboarded and mentored developers across multiple timezones who reported directly to me.

- Managed technical debt and project risk through careful planning, leading discussions and establishing best risk management practices where appropriate, e.g. info security & GDPR regulation.
- Worked with a range of technologies and architectures including: monolithic, micro-services, serverless and on-premise client deployments.
- Led a multi-regional team across the Americas and EMEIAs to re-architect & provision Tao Leadership's Ltd existing (AWS) platform into EY's (Azure) environment.

Senior Software Engineer

Tao Leadership (acquired by Ernst & Young)

June 2018 - Nov 2021 (3 years, five months)

- Architected a distributed monolith solution as part of a SaaS HR Data Analytics platform offering.
- Acted as main contact for prospective company acquirers for all technical due diligence, including Q&A, interviews & defining documentation, leading to the company being acquired by EY for £5-10million.
- Led a small team of developers within a fast-paced startup environment.
- Set up and managed AWS infrastructure (via automation using Terraform & Ansible) & DevOps pipelines as part of a multi-tenancy, multi-region deployment strategy.
- Worked with customers and alongside the CEO to ideate, architect and MVP new products & features.
- Resolved technical & product issues that arose with any of our clients (including companies in the FTSE100).

Mobile Developer

Verizon Connect

Oct 2017 - March 2018 (6 months)

- Worked on JavaScript & Typescript mobile apps in the telematics domain.
- Planned and implemented a large refactoring of a legacy app's code via TDD. This helped identify unknown bugs, increase overall application stability and improved developer's productivity.
- Setup end-to-end test cases with Appium for both IOS & Android on two new mobile apps. This significantly reduced the time it took our integration testers to approve a release, allowing updates to reach users faster.

Software Developer

Scott Logic Ltd

Aug 2016 - July 2017 (1 year)

- Worked as a frontend developer consultant for a major European bank on a green-field fintech project
- Helped architect & plan the successful integration of tens of legacy products into a single customisable platform. This required me to help develop a custom SDK that leveraged web workers & iframes to allow micro-frontend apps to communicate securely with one another.
- Successfully designed, developed & tested new features using React, TypeScript & Redux.

EDUCATION

BEng Bachelor of Engineering (On-going)

Studying degree part-time at the Open University, started September 2024

MSc Computer Science - Distinction

September 2015 - September 2016 Newcastle University

B.A. (Hons) English Literature - 2.1

September 2012 - May 2015 Newcastle University

CERTIFICATIONS

AWS Solutions Architect Associate (2020)

<https://www.credly.com/badges/ffaa426b-03eb-4b6d-ba99-7859dd3fdf58>