Shane McGrath

Creative and self-driven product engineer with 5+ years industry experience.

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INDUSTRY EXPERIENCE

Sustain.Life, Remote — *Software Engineer* AUGUST 2022 - PRESENT
Outline: Developing an enterprise-scale carbon accounting platform using React, TS and GraphQL.

Key responsibilities:

- Leading collaboration with the UI/UX team to deliver reusable UI components and workflows.
- Contributing to a large codebase with patterns such as microservices and event sourcing.
- Approaching problems with a product-minded focus and understanding the customers needs.
- Carrying out on-call duty providing quick resolution for critical any production issues.
- Responsible for production deployments, requiring working knowledge of DevOps kubernetes clusters (scaling pods and adding resources) and overall system architecture.
- Ensuring data integrity with quality tests in snowflake SQL queries.
- Mentoring team members by pair programming, knowledge sharing and code reviews.

Key achievements:

- Improving system reliability and development velocity by delivering comprehensive frontend testing, reducing daily manual QA time by 45%.
- Successfully built platform integrations with third party providers (Codat/Utility API/Arcadia).

Axial3D, Belfast — *Software Engineer* AUGUST 2018 - OCTOBER 2021
Outline: Delivered frontend product for 3D printing medtech startup using Vue and TS.

Key responsibilities:

- Built HIPAA-compliant UIs to interact with AI-driven ML segmentation of patient anatomy.
- Built APIs to integrate our customer data with DICOM imaging standard.
- Rapidly delivered new capabilities to validate product direction based on customer analytics.
- Equipped with expertise in Threat Modeling and Web Application Security, following OWASP standards and conducting penetration testing.

Key achievements:

- Reduced customer onboarding time by 35% through usability and UI improvements.
- Earned AWS Cloud Practitioner Cert., exhibiting cloud architecture and security expertise.
- Demonstrated expertise in design patterns, functional programming principles, SDLC, git version control and testing strategies.

PMD Solutions, Cork — *Design Engineer (Internship)* APRIL 2017 - JULY 2017

- Delivered frontend features for medtech solution, implementing rapid prototyping with 3D printers and training team members on their effective usage.
- Conducted user research, contributing to product roadmap definition, while collaborating closely with a small team to develop a web and native mobile application.

EDUCATION

HDip Software Engineering, NUIG SEPTEMBER 2017 - MAY 2018

42 US Silicon Valley, Fremont, CA AUGUST 2017

Bachelor of Engineering (Mechanical), NUIG SEPTEMBER 2009 - MAY 2013

STACK

React

Vue

TypeScript

GraphQL

Next.js

Git

tRPC

SQL

Snowflake

Three.js

Storybook

Strapi CMS

Prisma ORM

Node.js

HTML/CSS

Figma UI prototyping

Cypress/Selenium

Vite

Webpack

Azure ADO

AWS services - S3, RDS, VPC, IAM (Cloud Practitioner Cert.)

LINKS

[GitHub](#)

[LinkedIn](#)

LOCATION

Ireland / EU remote