Jake Carrington
Full-Stack Software Engineer

16 Albion Road
New Mills
High Peak
Derbyshire
SK22 3EX

About

I am an Agile Full-Stack Software Engineer with a passion for delivering meaningful features to the end user. To me the most important factor in a successful software development project is teamwork. As such I spend a lot of time thinking about ways of improving communication and the processes used in the SDLC. The best measure of productivity is working code. Because of this I take an Agile and pragmatic approach to my work and always think about how my day-to-day, hour-to-hour acitivities impact the pipeline as a whole.

Experience

Junior Software Engineer

Ditto AI | May 2019 - present

During my short time at Ditto as a software engineer I have learned a tremendous amount. I was able to touch every part of the wide-ranging stack and so I have had experience with many technologies:

- Node and C# .NET Core Lambda
- GraphQL APIs via AppSync
- SNS, SQS
- React
- S3
- DynamoDB
- MySQL
- Various AWS services such as API Gateway, Cognito, CloudFormation, SSM, etc.

I discovered I am a fantastic team-player, always prioritising the needs of the team and focusing on what I can do to best help the flow of the work across the board, whether that required me to develop my own ticket, work with the product owner to size and estimate tickets, QA others work, or pair-program with others on larger tasks. I also found a passion for thinking about, and improving, the way we work. Often being an important contributor to team retros and regularly suggesting ways in which we can improve productivity. Agile, knowledge-sharing/shared-responsibility, DevOps, pragmatism, and putting the board first are some of the qualities that I have come to value most. I gained a passion for clean code and now employ methodologies such as TDD, pair-programming, and SOLID principles where I can.

Junior QA Analyst

Ditto AI | Apr 2018 - May 2019

My main responsibilities as a QA Analyst were the development and maintenance of automated testing suites. Originally working with Selenium and C# and eventually transitioning to Cypress. Quickly my skills outgrew the domain of test automation and I began taking on more responsibilities around DevOps and infrastructure, helping with a profound overhaul of our deployment process. Through my contributions the team was able to greatly improve turnaround time and minimise live failures. This was accomplished through the use of mainline development, single-piece flow, and automated pipelines. Eventually I began working on development tickets before inevitably transitioning to full-time software engineer.

Data Services Executive

DJS Research | Sept 2016 - Apr 2018

In my position as a Data Services Executive I was responsible for the development and deployment of dozens of online surveys each year. This gave me the opportunity to work on my front-end web development skills in quick turnaround projects. The nature of the role forced me to become comfortable working under time-pressured situations and improvise around late-stage changes.

Education

Manchester Metropolitan University

2012 - 2015 BSc (Hons) Computer Science 2:1

New Mills Secondary Sixth Form College

2010 - 2012 A-Levels: Mathematics B, Physics C, Further Mathematics D

New Mills Secondary School

2005 - 2010 GCSEs: Mathematics A, English Language A*, English Literature A, Physics A, Chemistry B, Biology B, Religious Studies A

Skills

Languages/Frameworks

JavaScript/TypeScript/Node, C# .NET Core, HTML, CSS, React, Express

Exposure to: ASP.NET MVC, Rust, Lisp

Datastores

MySQL/MSSQL, DynamoDB, S3

Practices/Methodologies

Agile, TDD, Scrum, Kanban, SOLID, DevOps

Tools

Jenkins, Jira, git, Docker, BitBucket Pipelines, Cypress, Selenium

Soft skills/qualities

Team-player, pragmatic, good communication, enthusiasm for work, problem-solver