Matt Bodey

mattbodey@gmail.com | 07969053346 | linkedIn/mattbodey | github/MattBodey | mattbodey.me

EDUCATION

University of York   York, North Yorkshire | Jun 2016
MPHYS. HONOURS EXPERIMENTAL PHISICS
Westcliff High School for Girls   Westcliff, Essex | July 2012
MATHS: A, PHYSICS: B, CHEMISTRY: B

WORK EXPERIENCE

UKTV | SENIOR SOFTWARE ENGINEER   Leeds, West Yorkshire | January 2022 - Present

- Working as a Senior developer in a small team with ambitions to move into a more agile way of working
- Strong emphasis on **mentoring** and leading the team to a more DevOps mindset, upskilling the team from Java to JavaScript, introducing **serverless best practices**, and encouraging the adoption of **AWS CDK** for IAC
- Focus on quality of software and creation of collaborative practices; such as pairing, introducing Jest for testing, and using **ephemeral environments** for robust integration testing
- Helping to integrate 3rd party contractors into team and aligning them with internal ways of working
- Championing agile methodologies within the team and showcasing their benefits to the wider business
- Designing full serverless microservices for ETL workflows using **event driven** architecture and working with the team to implement them in an iterative way
- Working with Product Owners to organise backlog and help measure team flow rate

UNIVERSITY OF YORK | (SENIOR) SOFTWARE ENGINEER   York, North Yorkshie | November 2019 - December 2021

- Working as a software engineer in an agile team on serverless projects in **AWS** using Lambda, SNS, SQS, DynamoDb, API Gateway and Amplify
- Strong focus on creating and sharing common **libraries** in Javascript/Typescript. This helps promote shared working, common best practices and reduces duplicated efforts across teams.
- Internally Promoted to Senior Software Engineer due to my work ethic, mentoring skills and serverless architectural design insights.
- Guide and mentor other developers in technologies that I have more experience in such as serverless. Introducing Typescript to the orginsation by giving presentation on it's advantages and being the main point of contact for Typescript queries.
- Engineering infrastructure and lambda in TypeScript through **AWS CDK**
- Setup CI/CD pipelines using **GitHub Actions** and **Bitbucket Pipelines** enable Test Automation for unit tests and **localstack** integration tests allowing fewer bugs through code review and decreasing time for code to be live
- Setup authentication react libary with **OAuth** Amplify Cognito to allow the easy adding of SAML SSO authentication to react apps.

AUDACIA CONSULTING | SOFTWARE ENGINEER   Leeds, South Yorkshire | Jan 2019 - November 2019

- Working in an Agile environment using Scrum methodologies to deliver projects using the latest Angular/C# .Net Core/SQL technologies on new, greenfield projects
- Using the Command Pattern to govern clean, single responsibility coding styles
- Implemented **SSL** monitoring and automatic renewing in an Azure Web Job for hosted applications using Let's Encrypt
- Designing and developing full stack changes by liaising with customers to find and refine requirements, estimating with team and delivering changes

SQUARED UP | LEAD QA ENGINEER/ SOFTWARE ENGINEER   Maidenhead, Berkshire | April 2017 – Jan 2019

- Working with a small team of engineers using Agile Methodologies to meet the development needs of a fast paced startup.

- Developing a C#/JavaScript cross cloud monitoring product with a strong focus on the end user experience. Focusing on performance, scalability, and testing using TDD.
- Internally promoted from Lead QA Engineer to Software Developer after less than a year
- As the Lead QA Engineer: Implementing and maintaining a new Continuous Deployment system using Octopus Deploy, leading the effort to implement automated front end tests.

PROJECTS

TRACK AND TRACE React, Typescript, Amplify, AWS, REST Api

- Created a full stack management application for Track and Trace Isolations and Tests to allow efficient help to be delivered to students during the pandemic, build with a **security** first approach when dealing with highly sensitive data.
- Using PaaS tray.io to quickly get started with basic email notifications and post transformed google form data to AWS SNS

PEOPLE EVENT FEED Node.js, AWS, Event Bridge

- Implemented an event driven feed for data about students and staff at the university to allow easier consumption by other applications. This processes changes for 30,000 people and publish events using EventBridge
- Create a RESTapi to back a DynamoDB projection of the event feed, allowing authenticated users to get information on staff and students. Built to horizontally scale to handle the needs of the university.

ROOM BOOKINGS Node.js, AWS, Serverless, Event Driven

- Built event driven room booking integration to tie together existing third party systems
- Ensured that speed and reliability were at the front of the project to prevent room clashes
- Implemented robust monitoring and clash identification to ensure rooms were not booked multiple times

SSL MONITORING Azure Functions, C#, Lets Encrypt

- Implemented **SSL** monitoring and automatic renewing in an Azure Web Job using Azure Functions for hosted applications using Let's Encrypt
- Noticed a wasted time and money sink for the business. Pitched a free automated alternative.

SKILLS

Languages: JavaScript, Node.JS, Typescript, C#, Bash, SQL, NoSQL
Web Development: React, TypeScript, Angular, HTML/CSS
Databases: DynamoDB, MSSQL, Postgres, Aurora Serverless
Technology: Git, AWS, AWS CDK, JIRA, Azure, Docker, Oracle, LaTeX

REFERENCES AVAILABLE ON REQUEST