

## Profile

An ambitious Software Engineer with a passion for self-development who is constantly trying to learn, practice and improve in all aspects of software development. New technologies and paradigms discovered through reading books and articles, listening to podcasts, attending talks and personal projects.

## Experience

### Scott Logic - Software Engineer

2017 - Present (7m)

- Designed and implemented ETL pipeline on Azure using Data Factory V2 and Azure Resource Manager. Helped design and implement datawarehouse reporting solution for client using Azure SQL Data Warehouse.

### Abide Financial - Software Engineer

2015 - 2017 (2y, 7m)

- Produced or maintained code to efficiently enrich and validate transaction data using primarily C# and SQL, but also python
- Devised and setup Continuous Integration and Deployment infrastructure and conventions for AWS resources including EC2 and Lambda. This consisted primarily of Teamcity and Octopus deploy.
- Created nuget packages to help promote and implement best practices in build and deployment automation
- Implemented configuration of logging aggregation solution to remote production systems. This involved extensive automation with powershell.
- Wrote scripts and programs for file archival and other windows server administration tasks
- Spread best practices in methods and technologies through organising department wide, weekly workshops.
- Extensive use of automation technologies like powershell, AWS Cloudformation and Chef.

### Fundslibrary - Junior Developer

2013 - 2014 (1y)

Maintaining and extending the Funds Library website and it's clients' customisations in a work environment based on Agile methodologies. Modern software development practices used including Test Driven Development, Automated Testing, Refactoring, Continuous Integration, SOLID craftsmanship practices and development patterns. Role used C#, ASP.NET MVC and SQL Server to develop web sites, web services and internal tools. Client side development consisted of using typescript, LESS and javascript libraries such as KnockoutJs, jQuery, d3.js using grunt and jasmine for testing.

### Toplevel Computing - Graduate Developer

2013 - 2014 (1y)

Extending or performing maintenance on customer or internal systems, using in-house developed software analogous to Web Forms, combined with the .Net Framework and other technologies. Role involved understanding client's requests, writing code specifications, designs and performing the implementation of code changes, in a workplace that practices agile methodologies.

## Skills

**Asynchronous Programming** - AKKA.NET, Apache Spark, ES6 Promises, javascript, Typescript

**Back End** - AKKA.NET, Apache Spark, ASP.NET MVC, ASP.NET WebForms, Azure SQL, Azure SQL Data Warehouse, AWS DynamoDB, AWS Kinesis, AWS Redshift, AWS SQS, AWS S3, C++, C#, Docker, .NET Framework, LINQ, NUnit, Octopus Deploy, Resharper, RESTful webservices, SQL Server Management Studio, T-SQL, Visual studio, VB.NET, XSLT, XML

**Cloud Computing** - Azure Data Factory, Azure SQL, Azure SQL Data Warehouse, Azure Resource Manager, Azure HdInsights, AWS Cloudformation, AWS DynamoDB, AWS EC2, AWS ECR, AWS ECS, AWS Lambda, AWS Kinesis, AWS Opsworks, AWS Redshift, AWS SQS, AWS S3, Docker, Powershell, Terraform

**Devops** - Azure Resource Manager, AWS ECR, AWS ECS, AWS Lambda, AWS Opsworks, bash scripting, Cake, Chef, Continuous integration, Docker, git, grunt, Octopus Deploy, Packer, Powershell, Terraform, Teamcity

**Front End** - Angular Js, Bootstrap, Apache Cordova (Phone Gap), CSS, D3, ES6 Promises, grunt, HTML, Ionic framework, jasmine, javascript, jQuery, KnockoutJs, LESS, react.js, Resharper, Typescript, Visual studio

**Functional Programming** - C#, F#, javascript, LINQ, Typescript

**Object Oriented Programming** - C++, C#, javascript, python, Typescript, VB.NET

**Test Driven Development** - C#, jasmine, javascript, karma, MoQ, NUnit, python, Resharper, Typescript

## Volunteering

### Codeclub

2015 - 2016

After school club for primary school children. Taught scratch, HTML CSS and python.

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