Chester Burbidge

| Web | chester.codes |
| Github | chestercodes |

Profile

A passionate and capable developer with experience of a wide range of the Microsoft and .NET technologies. I have written code for a variety of 'back end' environments, including web sites and services using C# .NET framework on Windows Server and F# .NET Core on linux. Client side experience includes writing JavaScript and typescript code using different paradigms and libraries including React JS, Angular JS and jQuery. I have worked with agile methodologies across the full software development lifecycle. A regular attender, and occasional presenter, of technical talks on various topics.

Skills

Back End - AKKA.NET, Apache Spark, ASP.NET MVC, ASP.NET Web API, ASP.NET WebForms, Azure Data Factory, Azure SQL, Azure SQL Data Warehouse, Azure HdInsights, AWS DynamoDB, AWS EC2, AWS Lambda, AWS Kinesis, AWS Redshift, AWS SQS, AWS S3, C++, C#, .NET Core, .NET Framework, F#, LINQ, node.js, python, T-SQL, VB.NET

Devops - Azure Resource Manager, AWS Cloudformation, AWS ECR, AWS ECS, AWS Opsworks, bash scripting, Cake, Chef, Continuous integration, Docker, git, Octopus Deploy, Packer, Powershell, terraform, TeamCity

Front End - Angular Js, Bootstrap, CSS, D3, ES6 Promises, GatsbyJS, GraphQL, grunt, HTML, javascript, jQuery, KnockoutJs, LESS, react.js, Typescript

Other - Apache Cordova (Phone Gap), Ionic framework, JIRA, LaTeX, Resharper, RESTFul webservices, R, Source safe, SQL Server Management Studio, TFS, Visual studio, XSLT, XML

Testing - jasmine, karma, MoQ, MSTest, NUnit, Puppeteer, SpecFlow, VSTest

Experience

Scott Logic - *Software Engineer*   2017 - 2018 *(11m)*

- Designed and implemented ETL pipeline on Azure using Data Factory V2. Implemented data warehouse reporting solution using SQL Datawarehouse and PowerBI.
- Wrote AWS infrastructure code for data engineering project using Terraform. Deployed a wide range of resources such as Kinesis, EC2 VMs and ECS containers.
- Developed REST API for automated download and analysis of github repositories using .Net Core running F# on ubuntu.
- Introduced SpecFlow into project to increase efficiency of test development and provide living documentation of automated tests.
- Ran internal study group for advancing company knowledge on cloud computing.

Abide Financial - *Software Engineer*   2015 - 2017 *(2y, 7m)*

- Developed code to enrich and validate financial transaction data using C# and T-SQL, using 'best practices' and TDD where possible.
- Developed AWS lambda functions using python and node.js for environment automation. Tasks including database setup and automated resource spin up/down.
- Implemented CI and deployment solutions for AWS resources including EC2 and Lambda. This required extensive use of Teamcity and Octopus deploy.
- Created NuGet packages to promote 'best practices' in build and deployment automation.
- Wrote Powershell scripts for file archival and other Windows Server administration tasks. Automated configuration of log aggregation agents on production systems.
- Spread 'best practices' in methods and technologies through organising department wide, weekly workshops.

FundsLibrary - *Junior Developer*   2014 - 2015 *(1y)*

Maintained the Fundslibrary website in an agile environment. Practiced modern software development practices including TDD, CI and SOLID practices. Backend developement involved C#, ASP.NET MVC and SQL Server to create web services and sites. Client side development used typescript, LESS and libraries such as KnockoutJs and jQuery.

Toplevel Computing - *Graduate Developer*   2013 - 2014 *(1y)*

Maintained proprietary web development product and extended behaviour to customer specifications. Role involved writing specications, designs and performing the implementation of code changes.

Education

The University of Exeter   2010 - 2012

    Phd Physics: The electrical properties of cell   **Degree Not Attained**
    membranes

The University of Exeter   2007 - 2010

    BSc. (Hons.) Mathematics and Physics   **2:1**

Queen Mary's College   2005 - 2007

    A Levels   **Mathematics (A), Physics (B), Electronics (B),**
                          BTEC Music Practice (Distinction). AS Level:
                          Further Mathematics AS (C)