Piran Tata

Senior .NET Developer

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Overview and core competencies

* Overseas experience of having worked in the UK and New Zealand technology sector.
* Full stack experience of working with front-end, server-side and data-persistence technologies.
* Career experience in working for product teams, start-ups and various software-engineering consultancies.
* Experience of working with and building cloud based SAAS solutions using Microsoft Azure.
* I enjoy engineering and working on products that are either catered for the web-stack or building large scalable services.
* I am competent at writing unit-tests to validate any code I produce. I have on the job experience of using TDD to drive software development.

Technology Competency

The following section is only indicative of the tech stack I am most experienced at working with.

* I primarily program using C# and the .NET framework.
* Experience building solutions with ASP.NET MVC and ASP.NET Web-API. I have also worked with other complimentary technology sets such as XUnit, Nunit, WPF, WCF and MsBuild.
* Building applications using Microsoft Azure. Services I have worked with include Azure App service, Azure blob storage, Azure CDN, Azure Push-notifications API, Azure SQL, Azure AD and Azure Key storage.
* Competent at using relational databases to build applications, with experience at using MS SQL server and TSQL scripting. I have also used ORM technologies such as MS Entity-Framework and Dapper for creating persistence layers inside of applications.
* Capable of creating client UI's with JavaScript and CSS. I have worked with a number of established and open-source front-end frameworks such as Sass, Knockout, Lodash, Kendo, Script#, Purecss, jQuery, Bootstrap. I have also had experience at integrating with Google Analytics.
* Regularly make use of command-line shell environments such as PowerShell and Bash. I regularly use GIT for version control and I have also used SVN in the past.

Career Overview

The following sections contain a condensed overview of my previous roles. For detailed descriptions, please refer to my LinkedIn profile.

Derivco - senior .NET developer

2016 – *Present* Ipswich (United Kingdom)

www.derivco.com

Derivco is one of the largest multinational suppliers of online sports-betting and casino gaming technology. The Ipswich division is focused on the development of an online HTML5 sports-betting and casino lobby product that is used across the UK and European markets. Owing to its very early origins (7+ years), the client has been built using Script#, a translation layer which converts .NET OO constructs to JavaScript. The client architecture derives from the PureMVC framework in an effort to create loosely coupled UI, service and in-memory persistence layers, all of which communicate via an event-based broadcast notification pattern. During my time with the company I have worked with several different client teams, contributing to key product areas such as:

* Improving SEO rankings by pre-rendering and caching client data server-side during initial requests to facilitate semi-isomorphic binding by the client framework.
* Improving site capacity during peak loads, via introducing a custom in-memory caching for redundant API calls and pausing API traffic upon detecting user-inactivity.
* Building proof-of concept Casino lobby implementations in collaboration with our development teams based overseas.
* Re-designing the client casino game launch pipeline to incorporate the ability to launch third party games in different formats (external/navigation, embedded, native etc.).
* Adding client features to enable compliance with regional gambling legislation changes when rolling out to various markets.
* Improving developer experience by assisting all client teams with migrating our DVS from SVN to Git (hosted on BitBucket).

Xero - senior .NET developer

2015 – 2016 Auckland (New Zealand)

www.xero.com

Xero is a cloud-based accounting software company that offers a suite of SaaS accounting solutions. I worked in the engineering team tasked with maintaining its subscription, billing and pricing platform. Internally, a lot of the product eco-system was organized using a micro service architecture, separating business capabilities such as billing, discount-coupons, product buy-flows, payment etc. A majority of the solutions were built using ASP.NET MVC and ASP.NET Web-Api interfacing with a MS-SQL backend DB for persistence using Dapper as the micro-ORM. I contributed to key product areas such as:

* Migrating product buy-flow to become PCI compliant when accepting online credit-card payments.
* Adding features to the invoicing system to address changes in the business model.
* Engineering support for Xero’s customer support and BI teams to resolve subscription related call escalations and publish any reports/statistics on request.
* Created a custom solution (via an internal hackathon) using TSQL scripting and T4 templates to assist with migrating product pricing plans when entering new markets.
* Educating new starters on the data model design and participating in interviewing potential candidates.

Little Lot - senior .NET developer

2014 – 2015 Auckland (New Zealand)

www.facebook.com/LittleLotNZ

Little Lot was a startup that created an advertising platform capable of serving a daily set of branded wallpapers, with a model aimed at donating a percentage of the advertising revenue to a charity of the user’s choice. I was the first hire and worked as the sole platform developer, during which time I contributed to the following project areas:

* The platform was cloud-hosted in Azure. I worked with setting up a number of the services such as Azure Web Applications, Azure Web jobs, Azure SQL DB, Azure Blob storage, Azure CDN and the Azure Push notifications hub.
* Developed the advertising REST API using ASP.NET Web-Api 2, Ninject (for DI), and Entity Framework 6 (as the ORM) and using open-source libraries such as Refit for making calls to google-analytics.
* Created a new responsive, platform-specific website using ASP.NET MVC 5.1. alongside front-end libraries such as lodash, purecss, jquery and fullpage.js.
* Created an administrative portal for managing content, subscriptions, and ad-campaigns, built using ASP.NET MVC 5.1 and other front-end libraries such as Knockout and flatlab.
* Created a custom offline emailing system (triggered and run via azure web-jobs) with templating support using markdown syntax for managing email campaigns. Built using components such as MarkdownSharp, Handlebars.js, T4MVC and Mailtrap (used for testing).
* Adding unit-test coverage across the solution using frameworks such as NUnit and Moq.

Intergen - intermediate .NET developer

2012 – 2014 Auckland (New Zealand)

www.intergen.co.nz

Intergen is a software consultancy that specialises in applying Microsoft technology. I was based in the External Applications team and worked on a wide range of external client-facing projects:

* Built a demo application client used by Microsoft to demonstrate new SQL Azure features for the 2013 Worldwide Partner Conference using WPF and Telerik WPF controls.
* Maintaining a custom ERP solution for a major steel manufacturer using Windows Forms, .NET 3.5 & SQL Server 2008.
* Develop a health management portal for a NZ vendor using ASP.NET MVC, Telerik Kendo.js and SQL server 2012.
* Extend a custom web-portal designed to assist district-councils with conducting property valuations using ASP.NET 3.5 WebForms, JavaScript, CSS, jQuery and SQL Server 2008.

BECA Applied Technologies - intermediate .NET developer

2010 – 2012 Auckland (New Zealand)

www.beca.com

Beca is a multi-disciplined engineering consultancy operating in the Asia-Pacific region. I worked for the applied technologies division where I helped develop a number of internal LOB applications and tools to compliment organisation and engineering practises across other divisions. Some projects I worked on include:

* Building internal web applications using ASP.NET MVC 3, Entity Framework 4.0 (ORM layer), SQL server 2008, jQuery and bootstrap.
* Silverlight 4 client applications, designed to integrate with SharePoint 2010 using frameworks like Microsoft Prism, Entity Framework 4.0.
* SSRS and TSQL reporting to aide in year ending Remuneration reporting for GM's and Section managers.

Orion Health - junior performance test engineer

2009 – 2010 Auckland (New Zealand)

www.orionhealth.com

Orion Health specializes in developing world-leading healthcare software platforms used globally by clinicians and hospitals. I was based in the Performance testing team, responsible for evaluating a range of healthcare products, using technologies and tools like Java, Apache JMeter, and Ruby (used by some of the test automation tools).

Fishpond - junior developer

2009 Auckland (New Zealand)

www.fishpond.co.nz

I worked for Fishpond, a NZ based online retailer, as a junior web developer. All development on the online shopping portal was done using PHP 5.0 and MySQL 5.1. I also worked on several offline stock-processing services scripted using Python.

Qualifications

Masters of Engineering - Hons (Software Engineering)

The University of Auckland - 2009

Bachelor of Engineering - Hons (Software Engineering)

The University of Auckland – 2008

Awards

University of Auckland Part-4 Industrial Prize – Best Intelligent System

The University of Auckland – 2007

I was awarded the engineering prize for my final year project, designing a system using Artificial Intelligence to automate Forex Currency Trading.