Daniel Ryan
Technical Team Lead | Full-stack Developer

Profile

Highly adaptable and innovative hands-on technical lead and Full-stack developer with over a decade's experience steering state-of-the-art solutions within client-facing commercial environments; boasts an impressive client base, including FinTech, SMEs, Retail and insurance.

- Extensive experience of building, leading and managing multi-disciplinary teams in the successful delivery of multiple products from discovery through to completion. Managed teams of various sizes, with the biggest being a team of 12 for Centrica (British Gas).
- A very strong understanding of Lean and Agile development practices and principles. By studying the core theories behind the ceremonies, has an understanding of the crucial aspects of what is required to build high-performing teams that are able to deliver working software products quickly to market.
- Extensive solution architecture and design experience. Able to work with others to produce coherent software architectures. Strong understanding of Cloud product offerings (Azure, AWS) and how to use these to build systems with a low total cost of ownership.
- Strong communication skills towards both business and technical staff. Able to communicate ideas clearly and not afraid to voice concerns to the benefit of the project.
- With a breath of technical knowledge and the ability to learn new technologies 'on the job'. Able to hit the ground running even when using new technology.

Skills

- **Languages (Commercial)**
  C#, F#, Javascript (ES8), Typescript, Node.js

- **Languages (Other)**
  Scala, Haskell, Rust

- **Frameworks (Front-end)**
  React, Redux, Ava, Jest, Enzyme, Babel, Webpack, ES6, ES7, ES8

- **Frameworks (Back-end)**
  ASP.NET Web API, Entity Framework, Mediatr, Serilog, Autofac, Moq, Express, Swagger, NServiceBus

- **Database, Integration and Cloud**
  SQL Server, ElasticSearch, Mongo, Redis, SQL Azure, Azure EventHub, MSMQ, RabbitMQ, ZeroMQ, AWS Lambda, AWS DynamoDB

- **Patterns & Practices**
  SOLID, Domain Driven Design (DDD), CQRS, Event Sourcing, Agile, Microservices, SCRUM, Kanban, BDD, TDD

- **Continuous Integration**
  Docker, TeamCity, Jenkins, Octopus Deploy, GIT, Terraform

- **Soft Skills**
  Solution Design & Innovation, Solution Architecture, Leadership, Coaching & Mentoring, Process Improvement, Agile Leadership, Stakeholder Engagement

Experience

DIGITERRE : *SENIOR CONSULTANT* **Nov 2015-Present**
Full-stack development with Node and React; Team leading; solution architecture and design; working with stakeholders to develop working backlog; hands on development of both server and web based client applications; Node; React; AWS; Docker; Terraform

Digiterre are a financial technology consultancy. I worked within the Agility team to deliver a number of working products for two of Digiterre clients.

- Led team in the development of a subscriber facing website for Acuris (a financial news service) to provide Primary Issuance data through their Debtwire product offering. The initiative was very successful, and was delivered 4 months ahead of schedule. The role involved worked with BA's and stakeholders to scope-out initial deliverables. Worked with the team to design a simple but flexible architecture that allowed us to quickly deliver an MVP quickly to market. An initial investment in a continuous deployment process means that check-ins to the master branch go straight to production; features flags, automated testing and production monitoring allowed us to mitigate the risk of continuous deployment. The solution consisted of node.js based RESTful services; React/Redux based web sites; ElasticSearch as data storage; AWS Lambda for backend processing. Docker and Terraform were utilised to deliver working artifacts into the AWS Cloud infrastructure.

- Lead a team in the development of a Company CMS for Acuris. We are employing an Event-Sourcing architecture to provide temporal queries that allow the discovery of how a company changes over time. AWS DynamoDB is employed as the backend data-store; RESTful services are developed using Node.js and the web front-end is developed using React/Redux.

- Developed an advanced web analytics product for a startup in the Ecommerce space. This included developing a rich website using React/Flux. The backend was developed in C# and hosted in Azure.

- Whilst working at Digiterre, I have had the opportunity to employ strong solution designs skills to contribute to the architecture of many successfully delivered products. Additionally, I have been able to utilize my leadership expertise to help deliver those products given challenging time frames. Sound development practices were put in place to ensure code quality and process improvement. Structured error logging and instrumentation was used to ensure production issues could be diagnosed and fixed in a timely manner.

ASOS : *TECHNICAL LEAD / SOLUTION ARCHITECT* **Apr 2013-Nov 2015**
C#, MicroServices, Web API, Azure, Specflow, FakeItEasy, AngularJS, Bootstrap, BDD, Agile

ASOS is the world's second biggest online fashion retailer.

- Lead a team to extend ASOS's logistics platform to support global fulfilment from US and European warehouses; the re-platforming of the reservations and allocations functions and the re-platforming of the supply chain and logistics systems.

- Played a key role in the supply chain and logistics team in the conversion of an existing, locally hosted, legacy monolith into an Azure Cloud hosted collection of microservice based components. The new architecture was architected for performance and high-availability, with an SLA of 99.99% availability,

- Included the development of a highly performant REST API to support the reservation and allocation of stock through the customer website. The API was tested to support upwards of 2000 requests per second. In addition, the API supported performance tracing, performance counters, health-check and swagger based discovery, and all implemented as cross-cutting concerns.

- Responsibilities whilst contracting at ASOS included: Working with stakeholders to define scope and prioritisation; technical leadership and mentoring; architecture and design; formatting, documenting and evangelising best practices; organising the QA team in the proactive prevention of defects.

Chaucer Syndicates : *LEAD DEVELOPER* **Jul 2012-Apr 2013**

- C#, MicroServices, Web API, Azure, Specflow, FakeItEasy, AngularJS, Bootstrap, BDD, Agile

A leading specialty Lloyds insurance syndicate.

- Lead for a small team of developers in the production of an MVC based web application; providing the capability to administer the policy and claims platform.

- Championed the use of TDD, Dependency Injection and other best practices that resulted in a quality application.

- Responsibilities included: organising the gathering of requirements; putting in place Continuous Integration.

Omnifone : *SENIOR DEVELOPER* **Mar 2012-Jul 2012**
Worked alongside two other developers to build a music streaming service as a native Windows 8 Metro application.

- Included working on a rich front-end application as well as utilising a Rest API to communicate with the back-end services.

- Demonstrated great adaptability through learning WinRT technology on-the-job whilst it was in pre-beta with very little documentation.

Centrica : *TECHNICAL LEAD/SOLUTION ARCHITECT* **Apr 2010-Mar 2012**

- C#, WCF, WPF, Prism, OpenRasta, NUnit, Linq2Sql, Specflow, BDD

  Led a team of 12 in the development of three successful applications deployed onto thousands of mobile field devices. These rich client applications, written using WPF, supported the following: selling directly to customers, performing surveys, capturing risk information and various other functions.

- The rich front-end was developed using WPF, PRISM and application of the MVVM pattern. Back-end services were exposed by either WCF or the OpenRasta REST Framework.

- Responsibilities included: Working with stakeholders to manage the product backlog; running the Scrum ceremonies; leading role in defining the solution architecture; mentoring the development team; ensuring product quality; delivering the product iteratively in line with customer expectations.

Beazley Insurance : *LEAD DEVELOPER* **Apr 2008-Apr 2010**
Cofunds : *SENIOR DEVELOPER* **Sep 2007-Apr 2008**
Intelligent Environments : *SENIOR DEVELOPER* **Jan 2007-Aug 2007**
Kensignton Mortgage Company : *LEAD DEVELOPER* **Apr 2006-Jan 2007**
Ace Insurance : *SENIOR DEVELOPER* **Mar 2005-Apr 2006**

Professional Qualifications

- BSC 2i COMPUTER SCIENCE: UNIVERSITY OF GREENWICH
- MICROSOFT CERTIFIED APPLICATION DEVELOPER
- FUNCTIONAL PROGRAMMING PRINCIPLES IN SCALA (COURSERA)
- INTRODUCTION TO FUNCTIONAL PROGRAMMING IN HASKELL (EDX)

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