
PETER GODDARD

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Profile

- I am a passionate advocate of Agile and Lean principles.
- I have 23 Years experience as a professional software developer backed by a passion for programming stretching back to 1981.
- I am a successful and effective agile team leader, mentor and coach.
- I deliver software that matters.
- My current interests include machine learning, data science, Elixir |> Phoenix |> Elm

Technical Expertise

- Ruby, Ruby on Rails, rSpec, Cucumber, Capybara, Sass, Haml, CoffeeScript, Rake etc etc
- C#, ASP.NET MVC, NancyFX, SpecFlow, nUnit, RhinoMocks, Selenium, LINQ, nHibernate, Dapper, AutoFac
- Javascript, jQuery, NodeJS, Go, Angular.js, Ext JS
- Elm |> Phoenix |> Elixir
- TeamCity, CruiseControl.NET
- Oracle, SQL Server, PostgreSQL, MySQL, MongoDB, RabbitMQ
- HTML, Sass, CSS, XML
- Linux, OSX, Windows
- Git, Subversion, Perforce, TFS, VSS

Certifications

 Microsoft .NET		
Microsoft Certified Application Developer	Professional Scrum Master (scrum.org)	Machine Learning by Stanford University on Coursera

Experience

Consultant (contract), BCG Digital Ventures, Jul 2019 to date

Working on the back-end API for the [Beema insurance venture](#)- the incubation of a per-kilometer car insurance startup including.

- Greenfield development of all back-end functionality in Rails/PostgreSQL
- Integration with Axa insurance API
- Integration with Mastercard Payment Gateway Services.

Consultant (contract), Government Digital Service, Feb 2018 to Jul 2019

Working on various teams within [GOV.UK](#).

This has involved:

- Building a data warehouse to track the performance of the 500k+ documents on the government website over time.
- Extract/Transform/Load processes to gather performance metrics from various sources including GA and internal feedback APIs.
- Consuming the central publishing feed to track changes to content and generate content related metrics.
- Exploring supervised machine learning to answer a number of questions with the data we have gathered.
- Brexit response team - re-engineering the search-api and other services to allow for generic tagging to support <https://www.gov.uk/find-eu-exit-guidance-business>
- Platform health - Enhancements to the bulk of the [gov.uk](#) stack which are not under active development by other teams.

All the Code is open-source and can be found at [Github](#).

Gov.uk has a micro-services architecture - most services are Ruby on Rails, with some Node.js, Python and Go.

Consultant (contract), Unnamed Energy Management startup, July 2017 to Dec 2017

Technical lead on a next-generation energy management startup. Working in partnership with an energy industry expert.

Development of a near real-time configurable energy management dashboard. Initial functionality energy procurement under flex contracts.

The technical stack chosen was as follows:

- Elm for user interface
 - Phoenix and Phoenix channels
 - Elixir for back-end micro-services
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- PostgreSQL and RethinkDB

Consultant (contract), STC Energy Management, July 2016 to July 2017

I was brought in to the organisation as a consultant to help the existing team adopt a more up to date approach to software development.

I have been the technical lead on a green field project to replace the company's antiquated core utility bill validation system with a more modern alternative.

The technical solution we have chosen is a hybrid REST/reactive micro-services architecture.

Most services are in Ruby/Sinatra or Ruby/Sneakers for the event listeners. We have used MongoDB and Postgres for persistence and RabbitMQ for messaging.

We have used Docker in swarm mode for the deployment of all services.

I have also provided provided the necessary training and mentoring needed to introduce concepts to the team including:

- User Stories
- TDD/BDD
- Microservices
- Infrastructure as code
- Open source software
- SOLID principles
- The world outside of Windows

[Further Details...](#)

Consultant (contract), Featurist Limited, April 2016 - June 2016

Working as a consultant to help a major broadband comparison site to build a more sophisticated CRM capability using Google BigQuery and MailChimp. Part of the solution is deployed to AWS, part deployed to the Google App Engine. The solution is comprised of C# and NancyFX self hosted services running on Linux/Mono in Docker containers.

[Further Details...](#)

Senior Software Developer, Team Lead, Markel International - 2014 - 2016

In-house tech lead, working alongside [ThoughtWorks](#), on a digital and agile transformation engagement. The primary project was to deliver the digital insurance platform.

Working in a cross functional team of highly talented individuals, we successfully delivered multiple projects. We deploy to production multiple times each day using a combination of Chef and Octopus Deploy/Powershell.

Very close collaboration between developers and Product Owner, BAs, QAs, ensured the features were delivered using a continuous flow Kanban process.

We successfully delivered [the broker portal](#) on time and on budget.

We successfully delivered the new CMS for [Markel UK](#) using EpiServer on time and on budget.

We are on track to deliver the new UK Direct sales portal in July.

[Further Details...](#)

Senior Software Architect, Business Control Solutions – 2006-2013

Agile Transformation, Coaching and Training, Technical Lead/Architect.

I led the introduction of agile principles to the software division of the company. Although I remained a hands-on developer throughout my time at BCS, my role expanded into other areas as necessary.

Initially my role at BCS was as the technical lead on the greenfield [BCS Integrity](#) product. I was also the main driving force behind the introduction of agile development principles and practices to the software department.

The introduction of agile practices produced a remarkable improvement in software quality and the productivity of the entire software team.

[Further Details...](#)

Senior Consultant, ThoughtWorks (UK) – 2005 - 2006

Working with a variety of high-profile, multi-national clients to define and deliver scalable enterprise solutions which maximise business value.

Technical lead in innovative 'QuickStart' programmes – a workshop-driven approach to the analysis and requirements capture needed for large-scale complex projects. The process takes the highly iterative, feedback driven philosophy of Agile software development and applies it to the initial stages of a project's life cycle.

Working with cross discipline teams (both business and IT team members working together from day one) evolving a collective, shared understanding and possible solutions for business challenges.

Coaching and mentoring of our client's in-house IT departments in agile and lean principles and practices.

Technical lead during the delivery phases using 'Behaviour Driven Development', combining a test driven approach with Domain Driven Design – increasing productivity and code quality, reducing overall cost of ownership.

[Further Details...](#)

Lead Developer, Centaur Media Plc – 2003-2005

Centaur Media is a leading UK-based business information, events and media group

I lead a team of 5 developers using Extreme Programming to deliver web presence in a consultancy-like environment

- e-commerce ticketing application for what is now [Marketing Week Live](#).
- a bespoke content management system for the [mad.co.uk](#) subscription site.

These applications were written in ASP.NET/SQL server.

I also introduced the use of continuous integration using [CruiseControl.NET](#)

[Further Details...](#)

Freelance developer – 1995 - 2003

I worked with a variety of commercial clients to produce a range of applications. These included:

- Mentor Computer Services Ltd: A staff time management system for MacDonalds UK using Delphi and SQL Server 6.5.
- Thomas Cook Tour Operations: the design/development of the treasury system which tracks the company's foreign exchange holdings. Contract extended twice to produce a transfer planning application for cost effective transfer of passengers between airport and holiday destinations.
- Tripoint Limited: Development of a multi-site reservation system for the leading car rental software supplier.
- Analytic Limited: Working as an analyst/programmer for a small software house on various bespoke projects.

Recommendations

“Pete was a senior software developer on several teams with me at GDS, including our data informed content mission. He was amazing and I would be very happy to work with him in the future. Pete has extensive experience in software development which meant that he delivered at pace consistently, he was one of the fastest developers on our team. His experience meant that he was also willing to take on the more challenging technical tasks for the team and put his problem solving experience to good use.

As well as having excellent software skills, Pete is an experienced agile coach and actively took part in ways to help the team work better using agile methodologies. He was the only person in the team, me included, who knew the prime directive for retrospectives off by heart. Very impressive. And he was always willing to lead the team daily standup when needed.

Pete has a consultancy background and he used those skills to help our team - he ran a very successful problem solving session using the Cynefin method. It helped the team take a step back from the user story and sprint level and look at a more strategic approach to the long term challenges. All the team members said it was a very useful session. This work shows his excellent communication and leadership skills.

Pete also made a very positive contribution to the team dynamic - he was a respected and liked member of the team. On a personal level, I really enjoyed working with Pete and would be very happy to work with him in the future.”

Jane O’Loughin, Agile Delivery Manager - Government Digital Service

“Pete was the technical lead on the companies enterprise strength flagship ‘Integrity’ product which currently runs the financial close process in multiple major investment banks and services thousands of users in each. I have always been impressed by the depth and quality of his technical knowledge across all aspects of programming and architecture. He has brought new techniques and tools and technologies to the department, most notably the agile process, which resulted in a marked improvement in both quality and productivity in our software development. He brings an innovative approach to the table coupled with a passion for new technologies and keeps himself informed on what is going on at cutting edge of the industry. He is always willing to try new ideas and approaches to make continual process improvements.

I have worked with Pete for the last 6 years and highly recommend him for his work. I believe him to be an excellent asset to any team he works with.”

Nigel Davies, Director - Software Products - BCS

“Peter was responsible for driving the development of the Centaur Conferences system, ensuring that project targets were met, all potential design options were explored, technological opportunities examined and the day to day management of the development process. Peter consistently delivered high quality code culminating in the production of an innovative content management system.

Throughout his employment with CentaurNet he displayed enthusiasm, reliability and self-determination in managing his own and the team's responsibilities and has always been proactive in exploring new techniques.

He has a calm, logical manner, was well liked by our customers and always popular with his colleagues. He is a good listener and communicator with a strong will to succeed in a competitive environment.”

David Putman, Development Manager - Centaur Media Plc.

References

Reference are available on request.
