Phil Kershaw

AWS Solutions Architect and Certified ScrumMaster™

KEY SKILLS

	Experience (Years)
Commercial Software Development	12
PHP (+Zend Framework, +Laravel)	10
Ruby (+Ruby on Rails)	6
Python (+Django)	4
NodeJS	2
AWS / Terraform / Scrum Master	2

CERTIFICATIONS

	Expires
AWS Certified Solutions Architect - Associate	Oct 2018 – Oct 2020
Certified ScrumMaster (CSM)	Feb 2018 - Feb 2020

RECENT EXPERIENCE

yboo Ltd – Contract (October 2018 – August 2019)

The time I spent working with yboo was spread across a multitude of areas. I was able to share my expertise in 3 key areas:

1. Development

Continuing development of their platform largely written in Ruby with heavy use of Ruby on Rails. Whilst also supporting their B2B offering written using React and NodeJS.

I later progressed to migrating functionality over to AWS Lambda and rewriting the platform leveraging the highly performant nature of NodeJS. This also involved the use of the Serverless Framework and implementation of API Gateway, AWS Certificate Management Service, Kinesis Data Streams and Firehose.

On top of this I introduced industry standard practices such as test-driven development, product versioning, peer-review, pair-programming to name a few.

2. DevOps

Establishing a semi-automated CI/CD[elivery] pipeline to enable the business to increase confidence in the shipped product and prepare incremental versions ready for deployment to production.

I later moved to designing and implementing their core platform on AWS, identifying key areas where bespoke code could be replaced with off-the-shelf AWS Services. This involved establishing their estate by separating functions across different AWS accounts all managed via AWS Control Tower. Working with the Head of Analytics in order to build a data pipeline to support the Analytics function and to experiment and architect solutions involving such AWS Services as Glue, Athena, QuickSight and SageMaker; including integration with services external to AWS.

3. Operations and Governance

Working alongside the CTO and Operations Manager – whilst assisting in recruitment of the development team - I was able to share expertise in Scrum by implementing a full Scrum workflow. In addition to the introduction of good practices - leveraging static code analysis tools and Bitbucket Pipelines - productivity grew almost 10-fold; with a start velocity of 20 growing to 190 within 6 weeks.

Key Skills:

AWS Services and Tools, in particular: CloudFormation, CDK, Kinesis (data streams, firehose and analytics), API Gateway, IAM, Control Tower, SSO, S3, Lambda, QuickSight, RedShift.

Ruby, NodeJS, Bitbucket (including pipelines), Jira, Confluence, Serverless Framework, TDD (Eslint, Rspec)

KER-POW Tech(nology) Ltd – Proprietor (February 2018 – Present)

Currently migrating a containerised (Docker) application currently running on AWS EC2s using AWS ECR to a web app written in HTML/JavaScript using the NextJS React framework and AWS Amplify; backed by a GraphQL API facilitated by AWS AppSync and custom GraphQL resolvers written in NodeJS to run on AWS Lambda service. This will leverage numerous other AWS services such as API Gateway, Certificate Manager, CloudFront, S3, Route53 amongst others.

The Dining Club Group – Contract (May 2018 – August 2018)

Joining their Technology Lead along-side a team assembled by Infinity Works, I assisted with the design, development and coaching of new recruits in the use of Terraform and AWS Services – specifically Lambda, IAM, API Gateway, S3, RDS and Route 53. Whilst engaged in this contract I wrote a new service using GoLang which was ran on AWS Lambda and fronted by API Gateway.

William Hill Plc - Contract (September 2017 - February 2018)

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Following a reorganisation of the William Hill Cloud Team my contract with them was renewed but in a new capacity of Development Lead. This is where I further utilised my previous experience with Scrum to coach all members of the team in order to improve our performance. I further assisted in the redesign of a containerised (Docker) service written in GoLang with the purpose of updating load-balancer pools once application containers had become healthy and ready to server traffic.

William Hill Plc - Contract (June 2016 - September 2017)

I moved on within William Hill and joined the William Hill Cloud Team as a Ruby Developer tasked with reinvigorating a project to create a build/deployment pipeline. This involved exercising my previous experience with Ruby and Ruby on Rails - in my role as Developer - along with Scrum - in my role as Project Lead. Following completion of this project I received numerous contract renewals and continued to contribute to platform architecture and development.

William Hill Plc - Contract (March 2016 - June 2016)

I joined William Hill as part of the Information Security Analysts Team as an Integration Developer tasked with integrating a number of different services (DarkTrace, Splunk, Office 365, F5 Big-IP) using Python to write Splunk plugins and GoLang to write a pre-compiled binary which queried the DarkTrace appliances status and output a CSV to be consumed by Nimsoft.

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Previous Relevant Employment
IntechnologyWIFI - Contract (October 2015 - January 2016) Skills: Python, PHP, MySQL, API integration
Vodafone UK – Contract (May 2015 – August 2015) Skills: Python, Django, Scrum
LED Hut Ltd (June 2014 - November 2014) Skills: PHP, Magento, Laravel, SysAdmin, MySQL
Wilson and Cooke (November 2013 - June 2014) Skills: PHP, WordPress, SysAdmin, MySQL
Docnet Ltd (January 2013 - November 2013) Skills: PHP, Zend Framework, SysAdmin, MySQL
Begbies Traynor Group Plc (February 2012 - January 2013) Skills: PHP, Python, Django, Symphony, Doctrine, MySQL
Zimo Communications Ltd (June 2011 - February 2012) Skills: PHP, Zend Framework, MySQL
Manchester Metropolitan University (April 2007 - June 2011) Skills: PHP, CakePHP, MySQL, SysAdmin