

Oliver Legg

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## Profile

I'm a backend developer, with most of my experience programming in Ruby - generally with Rails - although more recently I've been programming with Java. Outside of work I've been programming in Go and dabbling with Swift.

Outside of my work, I'm a keen climber, mountaineer and caver and I've been on a number of expeditions in Europe, Asia and Africa. On my most recent expedition, our team discovered & surveyed approximately 9km of unexplored caves in the Philippines.

## Experience

### **SOFTWARE DEVELOPMENT ENGINEER, AMAZON WEB SERVICES - EC2 – FEBRUARY 2015-PRESENT**

In the team I'm working on, at EC2, I'm primarily working in Java for the main applications and background jobs and Ruby for our operational tooling. It utilises a number of AWS services My team is responsible for approximately 800 servers, spread across the 32 availability zones.

I'm currently working on a project to reduce our 160 self-managed database hosts to 33 managed hosts running on Amazon RDS.

### **SENIOR DEVELOPER, NEW BAMBOO – JUNE 2007-DECEMBER 2014**

At New Bamboo I've worked on a wide range of small to medium sized, agile projects. The projects have ranged from internal tools for a large charity to an international commerce site with high levels of traffic. I also worked on a number of single-page Javascript applications. I've also used Elasticsearch on a number of applications.

I especially enjoyed my work on Pusher (<http://pusher.com>), a hosted WebSocket platform. It used EventMachine and Redis extensively under the hood. I was also largely responsible for setting up the infrastructure for the first incarnation of Pusher. Using Puppet and Amazon EC2 I created a scaleable, but manageable, hosting environment.

### **FREELANCE – JUNE 2006-JUNE 2007**

As a freelancer I worked as the sole developer for a couple of web design firms based in Australia and the USA. Working remotely with these clients developed my abilities to communicate clearly to deliver quality software.

## Code

**GRIMREPO** [http://github.com/olly/grim\\_repo](http://github.com/olly/grim_repo)

Yet another GitHub API wrapper. I'm really like this project because it uses Enumerators in an interesting way to encapsulate paginated API requests and exposes the resource as an Enumerable interface. This is especially powerful when combined with lazy enumerators, which were added in Ruby 2.0.

**EFG** <https://github.com/alphagov/EFG>

A Rails application to manage the Enterprise Finance Guarantee scheme for the UK Government. I'm proud of this project because its a real life application which delivered the necessary scope on time and was a vast improvement over its predecessor. Its a complicated application and we made good use of "Plain Old Ruby Objects" and ActiveRecord to create a well structured Rails application. Another aspect I'm particularly proud of is the comprehensive integration test suite, which provides confidence that the strict business rules are accurately implemented.

## References

Available on request.