Ryan Stenhouse BSc ZCE

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I'm an experienced **engineer** and **technical leader** with a particular fondness for **Ruby and Golang** and over **18 years** experience in building software and services for the internet. I'm **agile**, **test-driven** and a **team player** who loves to **mentor** and share knowledge.

Education

BSc Computing (Dist) **2004**
University of Abertay Dundee

HND Software Engineering, **2002**
Fife College, Kirkcaldy

Certification

i-to-i Online TEFL **2006**

Zend Certified Engineer **2006**

github.com/**HHRy**

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Currently lives and works in **Tokyo, Japan**.

Especially interested in **remote work**.

Skills

Ruby, Rails, Javascript, Coffescript, ES6, Golang, Angular JS, SQL, Git, RSpec, Shoulda, Jasmine. OWASP, PCI DSS, SAML. MySQL, PostGreSQL, RethinkDB, InfluxDB, MongoDB, AWS, DNS, VueJS, GCP, ELK, Prometheus, Teleport, Grafana, OpenSearch, Caddy, ZeroSSL, ACME,

Selected Experience

Senior Systems Architect: Tripla K.K, Shinkawa, Tokyo — **12 / 2019 - Present**

I am responsible our overall software platform strategy and work on designing and implementing the architecture for new features. I lead the Platform Team, and our group of SREs, engineers, and others.

I actively hire to grow the team, and plan for future expansion and growth of the service.

I'm also responsible for our application's security and technical compliance.

Senior Software Engineer: Tripla K.K, Shinkawa, Tokyo — **02 / 2018 - 12 / 2019**

I'm a senior backend engineer, where I champion the extraction of our monolithic application into micro services and generally deliver robust, complete features. I look after our infrastructure on AWS, and our security / compliance needs.

I also lead and mentor a small team of more junior engineers, while also providing high-level input into application design and infrastructure strategy to ensure we can Keep the service running reliably for many years into the future.

This job draws on my long experience of building robust, reliable web applications, and allows me to nurture and mentor other engineers, something I find very rewarding.

Senior Software Engineer (R&D): Allm Inc, Shibuya, Tokyo — **09 / 2014 - 02 / 2018**

I was the technical lead of our retail business intelligence platform. As well as working closely with our teams worldwide to coordinate development, I set our team's goals, mentor junior developers and work hands-on in all areas of our platform.

The main application was a Rails API which is backed by a RethinkDB cluster and a MySQL/Galera cluster with an OLAP / star schema for handling dimensional data. The front-end of the application was written in AngularJS. Other microservices were written in a mixture of Ruby and Golang.

I continually ensured the components were highly resilient and responsive, to handle a load of thousands of requests per minute.

Testing was done with a mixture of GoTest, RSpec and Test::Unit. Front-end components are tested with Jasmine.

I built the internal tools we use to manage the overall application, including creating new instances, handling complicated data migrations across our cluster, and monitoring the connectivity of the thousands of sensors which feed data to the platform.

Founder & CEO: Nekotachi Ltd, Glasgow & Tokyo — **04/22 - Present**

Product development and consultancy in Ruby. Cloud-based service provision and Software as a Service. For more details, see https://nekotachi.co.uk.

Languages

English, Scots (Native level)
French, Japanese (Limited working proficiency).

References

Available upon request

Availability

Available for the right opportunity after a 1 month notice period.

Public Speaking

I've spoken at several technology conferences internationally.

More details can be found at https://ryanstenhouse.dev/talks .

Selected Experience

Managing Director: The Happy Geek Ltd, Edinburgh — **2010 - 2014**

As a development consultancy company, I worked on in-house products ranging from conference management software to financial tools and integrations with 3rd party APIs / tools. Contracting work was carried out for clients all over the world, primarily in Ruby, but also in PHP, Javascript, and occasionally Python.

Through my company, I also organised Converge, Scotland's first all-of-industry technology conference. It run for two years and was a great way to contribute back to the community and share knowledge.

Ruby Engineer: FreeAgent Ltd, Edinburgh — **2011 - 2013**

The FreeAgent accounting application was a vast and complicated Rails application, and one of my proudest achievements was working on upgrading the many years old codebase to use Rails 3 and Ruby 1.9.2 - a process which tested my knowledge and understanding of the different versions of Rails and the Ruby interpreter.

After the successful upgrade, which required auditing and extending our test suite to ensure comprehensive coverage, I went on to lead the Accounts Engineering team. Here I was responsible for looking after the accounting engine, which is the heart of the application. Our team's primary goals were to ensure that all book-keeping entries were correct and reliable. As part of my role, my responsibilities included speccing, defining and developing new accounting features, liaising with our support and support engineering teams to prioritise bug fixes, and monitoring for data integrity issues.

I also had the opportunity to extend our existing SAML integration, as part of implementing a bank transaction importer, from one of the UK's biggest banks.

I was also part of the developer support rota, spending a week a month helping our customers through our Zendesk. It was a great way to really understand the impact my work had on our over 30,000 customers.

Software Engineer: PCCL, Dunfermline — **2007 - 2011**

I developed secure web applications and tools of a financial nature for public and private sector organisations, including UK Government departments and Visa Europe. Some of the customer facing applications had web interfaces developed using Rails.

My primary focus was on our flagship "management information" application, which helped organisations track their spend and allocate payments on Government Procurement Card. The application had to be resilient and always available.

In addition to this, I was responsible for the design and implementation of my department's PCI DSS (Payment Card Industry Data Security Standard) compliant technical infrastructure. Working within our two-man PCI Team, my implementation and integration with our applications allowed the company to become a PCI DSS Level 1 compliant service provider.

As part of my responsibilities; I became expert on the recommendations of OWASP (the Open Web Application Security Project) and apply best security practices to all development work.