

Alistair Burrowes

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I am a geek who has been working as a software developer for about 18 years. I am a polyglot programmer with varied experience. I take pride in my work and thoroughly enjoy my profession.



SKILLS



Programming

Go Haskell Scala Ruby Java Kotlin JavaScript C#



Software Testing

TDD BDD Integration Testing Property Based Testing Smoke Testing



Database

MySQL PostgreSQL SQL Server ORM



Cloud

AWS GCP Terraform



Continuous Delivery

Jenkins Bamboo Buildkite Spinnaker Monitoring



Containers

Docker Kubernetes



Web

HTML CSS HTTP JavaScript Libraries Accessibility Web Performance SEO



EMPLOYMENT

Staff Software Engineer, Zendesk

2021-06 — Present | Go Kubernetes AWS Spinnaker Linux

Develop and maintain Kubernetes operators for provisioning and accessing datastores.

- Became Tech Lead of the 'Galaxy' team June 2022.
- Led the multi-AWS account S3 operator project. This was the first step in Zendesk moving to multiple AWS accounts in production.
- Worked on the Redis operator project, building an auditing Redis proxy.
- Mentored other developers on the team.
- Championed code quality within the team.

Founder, Deadependency

2020-02 — 2022-12 | Haskell Docker GCP Terraform Linux

Develop my startup idea into a complete product.

- Improved my Haskell and functional programming skills.
- Improved my 'ops' skills, being forced to build all componentry including CI setup, alerting integration etc.
- Improved my architectural ability, solving a complex problem.
- Grew in product level thinking.
- Ultimately **shutdown** as not a viable business.
- **Open sourced!**

Lead Developer (Tech Lead), REA Group

2016-05 — 2020-02 | Scala Ruby Docker AWS Linux

Work on REA's core data ingestion, storage and publication related systems.

- Promoted to Lead Developer in June 2018.
- Led moving our last systems out of the DC and into AWS.
- Led the Listings API to support Apps for Agents.
- Led the Listing Publisher project, a next gen listing publication pipeline.
- Led the team in the move from Ruby to Scala.
- Mentored other developers in the team.
- Heavily involved in the functional programming guild.
- Heavily involved in the code review and hiring process.
- **Haskell in prod!**

Senior Developer, Inlogik

2015-10 — 2016-04 | .NET C# ASP.NET MVC Web React JS Mobile Web-based Apps

Develop the CMP expense management system and ExpenseMe mobile app.

Senior Developer, Carsales

2013-04 — 2015-04 | .NET C# ASP.NET MVC Web Web performance Angular JS

Develop and maintain a number of 'lifestyle' related websites.

- Worked on the redevelopment of a number of Carsales' websites.
- Led the team in front end development.
- Heavily involved in the front end guild.
- Achieved a large improvement in front end performance.

Senior Developer, Toll Priority

2009-09 — 2012-06 | .NET C# VB.NET ASP.NET MVC ASP.NET WebForms Web jQuery

Develop and maintain internal and external web applications.

- Led the invoice reconciliation 2.0 project achieving a large efficiency increase.
- Led the introduction of ASP.NET MVC framework.

English Teacher, Japan

2007-04 — 2009-04

Teach English in Japan to adults and children.

- Became fluent in Japanese, passing the top level of the Japanese Language Proficiency Test.

Developer, Hyro Technologies

2004-04 — 2007-02 | Classic ASP .NET C# ASP.NET WebForms Java Web Accessibility JQuery

Develop and maintain websites for clients.

- Through my own volition I developed the 'Rolling Tool' for automating deployment to test and production environments.



EDUCATION

Sun Certified Java Programmer 5.0, Sun Certification

2005-05

Diploma Of Software Development, Swinburne University

2002-02 — 2003-11



AFFILIATION

Software Developer, Haskell Docker

2021-04 — Present

Maintain the official Haskell docker images.

Software Developer, Australia Lesbian Medical Association

2013-06 — 2021-04

Develop and maintain **Doclist** as a volunteer.