

# 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, Deadpendency**

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 project to support the 'Ignite' app 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.