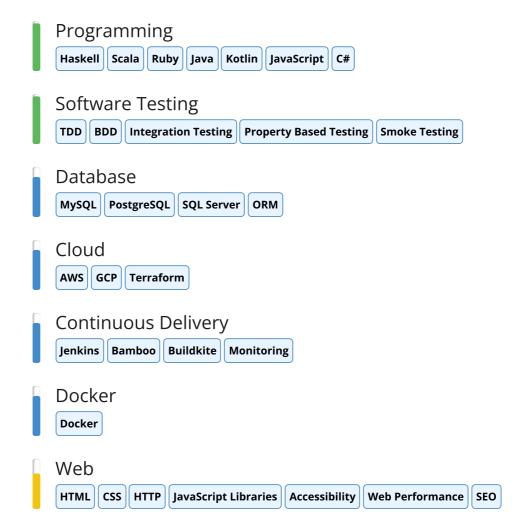# Alistair Burrowes

I am a geek who has been working as a software developer for about 20 years. I am a polyglot programmer with varied experience. I take pride in my work and thoroughly enjoy my profession.

SKILLS

Programming

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 Monitoring

Docker

Docker

Web

HTML CSS HTTP JavaScript Libraries Accessibility Web Performance SEO

EMPLOYMENT

Staff Software Engineer, Zendesk

2020-02 — Present │ Golang Kubernetes AWS Linux

Develop and maintain kubernetes operators for provisioning and accessing datastores.

- Worked in a highly central team, supporting many teams to provision and access datastores.
- Became Tech Lead June 1st 2022.
- Lead a multi-AWS account S3 operator project. This was the first step for Zendesk in moving to multiple AWS accounts.

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.
- Grew in product level thinking.
- Ultimately **shutdown** as not a viable business.
- In the process of being open sourced.

Lead Developer, REA Group

2018-06 — 2020-02 │ Scala Ruby Docker AWS Linux

Lead the newly formed 'Listings Internal Team'.

- Promoted when the team expanded and split into two teams.
- Focused on upskilling a fairly junior team with multiple new members.
- Consulted heavily with other teams on joint initiatives.
- Designed (with others) a number of new pipelines and systems.

Senior Developer, REA Group

2016-05 — 2018-06 │ Ruby Scala Docker AWS Linux

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

- Led the team in the move from Ruby to Scala.
- Mentored other developers in the team.
- Heavily involved 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 reconciliation application redevelopment achieving a large efficiency increase.
- Led the introduction of ASP.NET MVC.

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, Australia Lesbian Medical Association

2013-06 — Present

Develop and maintain Doclist as a volunteer.

SAMPLES

Haskell Toy Robot

2017-11

A Haskell implementation of the toy robot problem.

Docker Stack Haskell

2017-05

A pattern for dockerising a Haskell application.