



STEVEN SHAW

Seasoned Software Engineer

Java · Scala · Kotlin · Haskell · Rust · TypeScript · JavaScript · GCP · AWS

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Brisbane, QLD, Australia 

As a software engineer with over three decades of hands-on experience, I bring a rich breadth and depth of knowledge and expertise. My passion for technology keeps me ahead of industry trends, leading to my advocacy and early adoption of transformational ideas such as DevOps, functional programming, agile, and object-oriented programming.

I approach my work with enthusiasm, humour, and common sense, fostering a positive and productive team environment. I specialise in writing clean, reliable code and excel at problem-solving and troubleshooting.

- Languages: Java, Scala, Kotlin, Haskell, Rust, TypeScript, JavaScript.
- Cloud: GCP, AWS.
- Container Orchestration: Kubernetes.
- Infrastructure as code: Terraform, Nix, Pulumi, Helm.
- CI/CD: GitHub, Bitbucket, CircleCI, GitLab, Jenkins.
- Functional programming enthusiast.
- DevOps: Embraces "you build it, you run it" approach.
- Trusted mentor for technical advice and personal support.

Domains

Startups, Finance, Travel,
Telecommunications, and
Government

Cloud Platforms

Google Cloud
Experience building, deploying,
and operating applications on
Kubernetes with GKE and
Compute Engine

Amazon Web Services
Experience with event-driven
microservices running on
Lambda, SQS, SNS, RDS,
Postgres, and DynamoDB

Tech Stacks

Backend
Postgres, MySQL, Redis, Oracle
Database, DynamoDB, RabbitMQ

Java
Spring, Hibernate, Java SE, Java
EE, EJB, JPA, Servlets, JSF, JSP,
JUnit, Apache Camel, Liquibase,
IntelliJ

Scala
Scalaz, Slick, Play Framework

Experience

Senior Software Engineer

TLC SRC • 2003 – Present

Independent contractor working with various client including Tweag, Betterteam, FlightCentre, Suncorp, Eiger Systems (now Experian), JP Morgan Chase, T-Mobile UK, TNS, Transcore, and more. Working across the software development lifecycle —from coding and testing to deployment and site reliability.

Using skills: Java, Scala, Haskell, open-source, functional programming, DevOps, Cloud, Kubernetes, TypeScript, C#, Python, Terraform, Nix.

Principal Software Engineer

Ephox (now Tiny) • 2013 – 2014 • tiny.cloud

Building rich-text editors for the web.

Using skills: Java, Scala, JavaScript, TypeScript, functional programming, microservices, DevOps, Postgres.

Senior Technical Software Developer

ADC (now CSG International) • 1999 – 2003 • csgi.com

Highly customisable billing and CRM solutions for the mobile telecommunications industry.

Using skills: C, C++, Java.

Senior Analyst Programmer

Dialog (now NCS) • 1993 – 1998 • ncs.co

Consulting at various clients using skills: C, C++, Ingres, Oracle, shell scripting.

Analyst Programmer

CITEC • 1990 – 1992 • citec.com.au

Working as an intern using skills: C, Ingres, DCL.

Haskell

Yesod, Persistent, Servant,
Hspec, Tasty

CI/CD

GitHub, Bitbucket, CircleCI,
GitLab, Jenkins

Infrastructure as Code

Terraform, Nix, Pulumi, Helm

Frontend

TypeScript, JavaScript, HTML,
CSS, Ember.js, Angular, jQuery

Education

Queensland University of

Technology

Master of Information Technology
2000 – 2004
GPA: 6.0/7.0

Queensland University of

Technology

Bachelor of Applied Science
(Computing)
1989 – 1992
GPA: 5.2/7.0

Professional Development

Kotlin for Java Developers

Jetbrains, Coursera • Jul, 2023

Engineering Chapter in Technical Leadership

Folklore Ventures • May, 2023

Type-level programming with GHC

Andres Löh, Well Typed • Oct, 2019

Scalable Microservices with Kubernetes

Kelsey Hightower, Google • Feb, 2017

Real-time Stream Processing with Rx

Erik Meijer & Brian Beckman • Dec, 2012

Functional Programming Principles in Scala

Martin Odersky, EPFL • Nov, 2012

Advanced Scala

Miles Sabin, Chuusai • Oct, 2012

Compilers

Alex Aiken, Stanford • Jun, 2012

Introduction to Scala

Workingmouse • Sep, 2008