STEVEN SHAW
Seasoned Software Engineer

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

steshaw.org 🌐

linkedin.com/in/steshaw 💼

github.com/steshaw

x.com/steshaw 𝕏

steven@steshaw.org ✉

+61-433-042-849 📞

Brisbane, QLD, Australia 🏠

I'm a hands-on software engineer dedicated to delivering reliable, high-quality software through modern development practices and automation. With extensive expertise in backend development and proven full-stack engineering, I specialise in "shifting left" by implementing automated testing, infrastructure as code, observability, and robust CI/CD pipelines to identify and resolve issues early in the development lifecycle.

I apply functional programming principles to design systems that minimise errors and ensure maintainability, enabling teams to deploy with confidence. My focus on quality, automation, and sustainable engineering practices helps teams reduce production issues, improve delivery speed, and create a more enjoyable and productive work environment.

- Cloud, microservices, containerisation, serverless, APIs, messaging.
- CI/CD: GitHub, CircleCI, GitLab, Bitbucket, Jenkins.
- Infrastructure as code: Terraform, Pulumi, Helm, Nix.
- Application Performance Monitoring: Datadog, New Relic.
- Trusted mentor for technical advice and personal support.

Domains

Startups, Finance, Travel, Telecommunications, and Government

Cloud Platforms

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

Amazon Web Services
Event-driven architectures with microservices built on Lambda, ECS, SQS, SNS, RDS, Postgres, and DynamoDB

Tech Stacks

Backend/Data/Messaging
Postgres, MySQL, Redis, RabbitMQ, DynamoDB, Oracle RDBMS, Sybase, SQL Server

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

Professional Experience

Senior Software Engineer
TLC SRC • 2003 – Present

Contractor working with various clients including Tweag, Betterteam, FlightCentre, Suncorp, TNS, Eiger Systems (now Experian), JP Morgan Chase, T-Mobile UK, Optus, and Transcore. Working across the software development lifecycle—from coding and testing to deployment and site reliability. Using skills including Java, Scala, Haskell, open-source, functional programming, DevOps, Cloud, Kubernetes, REST APIs, TypeScript, Go, C#, .NET, Python, Terraform, and Nix.

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

Building rich-text editors for the web using skills including Java, Scala, JavaScript, TypeScript, functional programming, microservices, REST APIs, DevOps, and Postgres.

Senior Technical Software Developer
ADC (now CSG International) • 1999 – 2003 • csgi.com

Highly customisable billing and customer relationship management solutions for the mobile telecommunications industry. Using skills including C, C++, Java, BEA Tuxedo, BEA WebLogic, and Oracle RDBMS.

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

Analyst Programmer
CITEC • 1990 – 1992 • citec.com.au

Scala
Scalaz, Slick, Play Framework

Haskell
Yesod, Persistent, Servant,
Hspec, Tasty

CI/CD
GitHub, Bitbucket, CircleCI,
GitLab, Jenkins

Infrastructure as Code
Terraform, Pulumi, Helm, Nix

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