STEVEN SHAW
Seasoned Software Engineer

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

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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. Recently, I've been a backend-focused engineer who also takes care of DevOps concerns and often site reliability. However, I'm a generalist and am happy to develop on the frontend too. I've largely been using Haskell for the last 7 years; before that Java for 15 years, and at the start of my career, I did C and C++ for 10 years. Since being laid off last year, I've been updating my skills in Java, Scala, Kotlin, Rust and Java-based web frameworks: Spring Boot, Micronaut, and Quarkus.

- Languages: Java, Scala, Kotlin, Haskell, Rust, Go, TypeScript.
- Cloud: GCP, AWS.
- Container Orchestration: Kubernetes, ECS.
- CI/CD: GitHub, CircleCI, GitLab, Bitbucket, Jenkins.
- Infrastructure as code: Terraform, Pulumi, Helm, Nix.
- Application Performance Monitoring: Datadog, New Relic.
- Functional programming enthusiast.
- I love to work with Continuous Delivery and Deployment.
- 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
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

Experience

Senior Software Engineer

TLC SRC • 2003 – Present

Independent contractor working with various client 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, 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, DevOps, and 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 including C, C++, Java, BEA Tuxedo, BEA WebLogic, and Oracle RDBMS.

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

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

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

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

Working as an intern using skills including C, Ingres, and DCL.

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