STEVEN SHAW
Seasoned Software Engineer

Java · Scala · Kotlin · Haskell · Rust · 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.

- 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

Amazon Web Services
Experience with microservices running on Lambda and ECS using RDS 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.

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

Analyst Programmer

CITEC • 1990 – 1992 • citec.com.au

Working as an intern using skills: C, Ingres, 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