Kanishka Weerasekara

Senior Software Engineer | Australian Permanent Resident

About

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in kkgweerasekara

Languages

Java (17+) TypeScript

C++

Backend

Java (Spring Boot, REST APIs)

Node.js

Event-driven systems

High-performance services

Cloud & DevOps

AWS CDK Lambda

DynamoDB S3

CloudWatch CI/CD

Serverless

Architecture & Design

Microservices

Distributed Systems

Clean Architecture

Domain-Driven Design

Tools & Platforms

Git Docker

Kubernetes (basic)

Jenkins

Monitoring & Observability

Summary

A Senior Software Engineer with 14+ years of experience building distributed, high-performance systems. Strong background in Java-based backend development, real-time data processing, and cloud-native platforms. Proven delivery across real estate analytics, financial exchanges, government systems, and enterprise platforms.

Experience

Domain Group
03/2022 - Present

Senior Software Engineer

Senior engineer working on real-time analytics and shared platforms for real estate agents.

- Built real-time analytics using Apache Flink (Java) for agent performance insights.
- Architected and developed serverless platforms on AWS using Lambda, DynamoDB, and CDK.
- Contributed to shared onboarding and identity systems across multiple products.
- Collaborated with product, data, and platform teams on production systems.

Compono Pty Ltd
04/2021 - 03/2022

Senior Full Stack Developer

Senior developer on a cloud-based learning platform for government and enterprise clients.

- Migrated the platform from Azure to AWS.
- Improved system stability through refactoring and production diagnostics.
- Delivered backend (Java) and frontend features in a regulated environment.

ICT Agency
03/2020 - 01/2021

Technical Lead / Senior Full Stack Engineer

Technical lead for national-scale digital identity and verification systems.

- Architected secure identity verification services using Java-based microservices.
- Led a small engineering team and worked with government stakeholders.
- Established testing and delivery best practices.

QuEST Global, Land Transport Authority of Singapore
07/2018 - 12/2019

Senior Software Engineer

Senior engineer on large-scale transport and control systems.

- A Lead engineer for station control systems in Singapore's rail network.
- Designed scalable backend services and APIs using Java.
- Contributed to cloud deployment evaluations.

London Stock Exchange Group
09/2011 - 07/2018

Senior Software Engineer / Associate Tech Lead

Engineer and tech lead on mission-critical, low-latency trading and clearing platforms.

- Led development of core Java components for clearing and trading systems.
- Built and optimized low-latency Java services for high-throughput financial platforms.
- Promoted to Associate Tech Lead within four years.

Notable Projects

Skylight – Real-Time Analytics Platform
03/2022 - Present

Real-time analytics platform providing live insights into agent and listing performance.
Senior Engineer

Apache Flink   Java   Real-Time Analytics

- Designed streaming pipelines using Apache Flink (Java) to compute real-time metrics at scale.
- Collaborated with product and UX teams to surface actionable insights via dashboards.
- Optimized throughput and latency to meet demanding SLAs.

Aligned Identity Platform
06/2022 - 04/2023

Shared identity service used across multiple Domain products.
Architect & Developer

Serverless   AWS   Identity

- Implemented serverless workflows using AWS Lambda, DynamoDB, CDK and OIDC
- Reduced onboarding friction by consolidating duplicated identity logic.
- Applied security, observability, and scalability best practices.

Self Serve – Onboarding Platform
08/2022 - 10/2023

Unified onboarding platform for multiple Domain products.
Architect & Developer

Platform Engineering   Microservices

- Enabled consistent onboarding across RealtimeAgent, Homepass, and Agent Admin.
- Improved data consistency and reduced operational support overhead.
- Designed extensible workflows for future product expansion.

Clearing House Core System
02/2014 - 07/2018

Core position and risk management system for London Clearing House (LCH).
Tech Lead

Java   Low Latency   Financial Systems

- Led development of core Java services for position and risk management.
- Maintained rigorous testing culture with >95% unit test coverage.
- Improved system performance to meet real-time clearing requirements.

Millennium Exchange Development
01/2012 - 01/2014

High-performance trading platform deployed to global stock exchanges.
Developer

Java   Trading Systems   Distributed Systems

- Developed low-latency market data and gateway components in Java and C++
- Worked on sub-100 microsecond performance optimizations.
- Collaborated with cross-region teams for production rollout.

Certifications

Certified Scrum Master
Scrum Alliance

Sun Certified Java Programmer & Sun Certified Web Component Developer
Oracle

Education

University of Colombo School of Computing
01/2007 - 01/2011

Bachelor of Science Information and Communication Technology