Kanishka Weerasekara

Senior Software Engineer / Technical Lead

About

- Sydney NSW AU
- kkgweerasekara@gmail.com
- +61 432 573 022
- in kkgweerasekara

Languages

TypeScript Java
JavaScript SQL

Cloud & DevOps

AWS CDK Lambda
DynamoDB S3
CloudWatch IAM CI/CD

Data & Streaming

Apache Flink
Real-time Data Processing
Event-driven Architecture

Backend

Serverless Spring Boot
Node.js REST APIs

Frontend

React GraphQL

Architecture

Microservices
Distributed Systems
Clean Architecture DDD

Summary

Senior Software Engineer and Technical Lead with 10+ years of experience building large-scale, mission-critical systems. Strong background in distributed systems, real-time data processing, cloud-native architectures, and developer platforms. Passionate about clean architecture, microservices, Infrastructure as Code, and high-quality engineering practices.

Experience

03/2022 - Present

Senior Software Engineer

Senior engineer working on agent-facing platforms and real-time analytics products within Agent Solutions and Skylight.

- Worked on the Skylight product to provide real-time insights into agent listings and performance.
- Designed and maintained Apache Flink pipelines to process real-time listing and event data.
- Built scalable, low-latency data processing systems to surface live statistics and insights to users.
- Developed the Aligned Identity project using AWS serverless architecture (Lambda, DynamoDB, CDK).
- Contributed to the Self Serve platform, enabling agents from multiple products (RealtimeAgent, Homepass, Agent Admin) to onboard via a unified experience.
- Applied Infrastructure as Code using AWS CDK to ensure consistent and repeatable deployments.
- Collaborated closely with product, data, and platform teams to deliver reliable, production-grade systems.

04/2021 - 03/2022

Senior Full Stack Developer

Senior full stack developer working on a large-scale learning management platform.

- Migrated the platform from Azure to AWS.
- Improved stability and performance through refactoring and better observability.
- Built backend services and frontend features using modern Java and JavaScript stacks.
- Introduced improved debugging and monitoring practices for production systems.

03/2020 - 01/2021

Technical Lead (Full Stack – Java/JS)

Technical lead for government digital platforms.

- Led the design and development of national-scale digital identity and validation systems.
- Architected secure, scalable microservices-based solutions.
- Worked closely with government stakeholders to capture and refine requirements.
- Mentored engineers and enforced engineering best practices.

07/2018 - 12/2019

Senior Software Engineer

- Worked on large-scale transport and control systems.
- Designed and developed backend services with a strong focus on reliability and performance.

09/2011 - 07/2018

Senior Software Engineer / Tech Lead

- Worked on high-performance trading and clearing systems.
- Led teams delivering low-latency, mission-critical financial software.
- Applied rigorous test-driven development and CI/CD practices.

Education

University of Colombo School of Computing   *01/2007 - 01/2011*
Bachelor of Science Information and Communication Technology