# SAMINTHA KAVEESH WASALA

Senior Software Engineer

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## Summary

Senior Software Engineer with nearly 7 years of experience in Agile environments, specializing in Java, Spring Boot, AWS, and microservice architecture. Proven track record of leading cross-functional teams to deliver secure, scalable systems managing millions of user identities and enterprise licenses while serving as subject matter expert for critical product areas. I'm eager to strengthen my expertise in architectural thinking and distributed system design at scale.

## Experience

### *Wiley (John Wiley & Sons, Inc.)*

### Technical Specialist (Software Engineering)

*July 2024 – Oct 2025 (1 year 4 months)*

Project: Access & License Management (ALM) system

- Drove the technical direction for Java, Spring Boot solutions within Wiley's highly critical Access & License Management (ALM) system, the central IAM and licensing hub supporting millions of global users.
- Mentored and guided a cross-functional team with 4 engineers, through complex engineering challenges.
- Conducted architectural design discussions for a new licensing model under architect supervision, driving decisions on scalability and efficiency, resulting in a standardized license management solution across Wiley products.
- Streamlined E-Commerce parallel order processing system by introducing a cloud event validation framework and integrating Spring Reactive Streams, resulting in improved overall system throughput.
- Resolved high-priority production incidents in time-sensitive environments, restoring access for millions of users.

Tech Stack: Java 21, Spring Boot, Spring Cloud, HashiCorp Vault, Kafka, Docker, Kubernetes, Hibernate, AWS (ECS, EKS, S3), JUnit, Mockito, Maven, Git, GitHub, Jenkins, SonarQube, Dynatrace, Grafana, Contrast Security, JIRA

### Senior Software Engineer

*July 2022 – June 2024 (2 years)*

Project: Access & License Management (ALM) system

- Executed modernization of the Java ecosystem, upgrading microservices to JDK 21 and migrating Spring Boot from 2.x to 3.x, resulting in improved performance and maintainability.
- Led a cross-functional team of 4 engineers, mentoring them to deliver high-impact solutions.
- Implemented a redundant license management system in collaboration with UK-based Wiley Online Library (WOL) architects, impacting millions of licenses valued up to half a million dollars each while serving as subject matter expert.
- Drove major production releases, resolving issues within production window to minimize disruption and ensure seamless access for millions of users and thousands of institutional customers.

Tech Stack: Java 17, Spring Boot, Spring Cloud, Cloudflare, HashiCorp Vault, Kafka, Docker, Hibernate, AWS (ECS, RDS, S3), JUnit, Mockito, Maven, Git, GitHub, Jenkins, SonarQube, Dynatrace, Splunk, Contrast Security, JIRA

### Software Engineer

*April 2021 - June 2022 (1 year 4 months)*

Project: Access & License Management (ALM) system

- Developed solutions to improve Wiley's Access & License Management (ALM) system, managing millions of global users' access and identities using Java and Spring Boot.
- Implemented solutions based on OIDC and Keycloak standards, driving integration with various enterprise IDPs.
- Delivered a company-wide Microsoft Azure AD integration in collaboration with the architect and across teams, resolving client issues and improving authentication reliability for Wiley employees.

Tech Stack: Java 8/11, Spring Boot, Spring Security, Spring Cloud, LDAP, Active Directory (AzureAD), Red Hat SSO, KeyCloak, OAuth2, OpenID Connect, Cloudflare, Kafka, Hibernate, AWS (RDS, EC2, S3), JUnit, Mockito, Maven, ReactJS, Git, GitHub, Jenkins, SonarQube, Dynatrace, Grafana, Contrast Security, JIRA

*Pearson plc*

**Associate Software Engineer**

*April 2019 - April 2021 (2 years)*

Project: Socket – Integrating external and internal LMS applications

- Developed Java, Spring Boot solutions on a cross-functional team delivering advanced educational products to the global education sector, impacting over 160 million users worldwide.
- Integrated leading LMS applications including Moodle, Canvas, D2L Brightspace, and Blackboard, utilizing the LTI Standard for seamless interoperability.
- Resolved critical production issues, ensuring uninterrupted access for millions of users across various institutions.

Tech Stack: Java 8, Spring Boot, JUnit, Mockito, Maven, BitBucket, GitLab, Jenkins, SonarQube, NewRelic, Checkmarx, JIRA

*Independent Contractor*

**Full Stack Software Developer**

*November 2018 - April 2019 (6 months)*

Project: LyricX – A collaborative multimedia application

- Designed and developed a collaborative real-time song lyrics viewer that allowed users to share and edit content simultaneously, leading system design and UX improvements to ensure smooth performance and intuitive interaction while working closely with the client to translate business needs into scalable solutions.

Tech Stack: Java 8, Spring Boot, Hibernate, AWS (RDS), Maven, Angular, Git, Android, Google Firebase, Adobe XD

*CodeGen International*

**Software Engineering Intern (Full Stack)**

*January 2017 - July 2017 (7 months)*

Project: Multi-tenant restaurant menu application

- Engineered and deployed a multi-tenant order management system, overseeing the complete development lifecycle from design to deployment, gaining hands-on experience in data modeling, database design, and system architecture.

Tech Stack: Java 8, Spring Boot, Hibernate, AWS (RDS, S3, Elastic Beanstalk), Maven, Angular, Git, Android, Google Firebase

## Licenses & Certifications

**AWS Solutions Architect Associate Certificate**

Validation: LGKL7S4JLFQ4Q1KH *(Expired in January 2024)*

## Education

**BSc (Hons) Computer Science**

University College Dublin, Ireland (Completed in Sri Lanka)

*March 2015 - December 2018*

- Cumulative GPA - 3.48/4.00, 2nd Class Honours, Grade1 (Second Upper), NZQA – Level 7

## Technical Skills

| Backend Development | Security & Quality | Messaging & Data Store | DevOps & Cloud | Monitoring & Docs |
|---|---|---|---|---|
| Java JDK LTS 8/11/17/21 | OpenID Connect | Kafka | Git, Maven | ELK Stack |
| Spring Boot | RedHat SSO | JMS | Docker | Dynatrace |
| Microservices | KeyCloak | SQS | Kubernetes | New Relic |
| Event Driven Architecture | Cloudflare | MySQL, Postgres | AWS (ECS, EKS, | Grafana |
| RESTful Web Services | HashiCorp Vault | DynamoDB, MongoDB | S3, IAM) | Prometheus |
| Hibernate, JPA | Contrast Security | Redis | Jenkins | Splunk |
| JavaScript | JUnit, Mockito | Valkey | Helm | OpenAPI |
| React | SonarQube | | | |