SAMINTHA KAVEESH

Senior Software Engineer

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Summary

Senior Software Engineer with 6.5 years of experience in Agile environments, specialized in **Java**, **Spring Boot**, **IAM** and **Cloud** solutions. Proven track record of leading cross-functional teams to deliver secure, high-performance systems managing millions of user identities and enterprise licenses. A subject matter expert for critical product areas, driving innovation, reliability, and scalability. Experienced across the full-stack with understanding of end-to-end development. Eager to explore emerging technologies such as **Swift**, **Rust**, and **Go** to expand technical proficiency.

Experience

Technical Specialist (Software Engineering)

Wiley (John Wiley & Sons, Inc.)

July 2024 – Oct 2025 (1 year 4 months)

- Drove the technical direction for Java, Spring Boot solutions within Wiley's mission-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.

Senior Software Engineer

Wiley (John Wiley & Sons, Inc.)

July 2022 – June 2024 (2 years)

- 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.

Software Engineer

Wiley (John Wiley & Sons, Inc.)

April 2021 - June 2022 (1 year 4 months)

- 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.

Associate Software Engineer

Pearson plc

April 2019 - April 2021 (2 years)

- 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 to educational resources for millions of students and educators across various institutions.

Freelance Full Stack Developer

LyricX (Open source)

November 2018 - April 2019 (6 months)

- Designed and developed a collaborative, real-time lyrics viewer utilizing Java, Spring Boot, and Angular, enabling users to simultaneously share and edit content.
- Led system design and user experience (UX) enhancements to ensure smooth performance and intuitive interaction, collaborating directly with the client to translate business requirements into scalable technical solutions.

Software Engineering Trainee

CodeGen International

January 2017 - July 2017 (7 months)

- Engineered and deployed a multi-tenant restaurant menu and order management system as a full-stack intern, utilizing Java, Spring Boot, and Angular. Gained foundational experience in ER diagrams, DB design, and system design.
- Developed an ordering portal in Angular and an Android application for order management, managing the end-to-end lifecycle by leveraging AWS RDS (MySQL), Google Firebase Auth, and AWS Elastic Beanstalk/S3 for deployment.

Portfolio Projects

Keycloak Face Authentication

- A more secure and efficient way of authenticating users with multi-factor authentication (MFA).
- Java, Spring Boot, JavaScript, Keycloak, AWS Rekognition, Face-api.js
- Project link: github.com/skaveesh/keycloak-face-authentication

Geo Load-Balancing Application

- Geo Load-balancing and Geo Partitioning for enhanced performance and data management.
- Java, Spring Boot, MySQL
- Project link: github.com/skaveesh/geo-loadbalanced-service

Education

BSc (Hons) Computer Science

University College Dublin, Ireland

March 2015 - December 2018

- Affiliated through NSBM Sri Lanka.
- Cumulative GPA - 3.48/4.00, 2nd Class Honours, Grade1 (Second Upper), NZQA – Level 7

Technical Skills

- Java, Spring Boot, JavaScript, TypeScript, React
- Microservices, Event-Driven Architecture, REST
- Kubernetes, Docker, Helm
- Red Hat SSO, Keycloak
- Apache Kafka, JMS, SQS
- MySQL, PostgreSQL, MongoDB, DynamoDB
- Amazon Web Services (AWS)
- IAM, OIDC
- OpenTelemetry, Prometheus, Dynatrace, NewRelic