Theara Seng

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Software Engineer

Experienced Software Engineer with 7 years of full-stack development expertise in Java, Spring Boot, and React. Proven ability to analyze, design, and build high-performance, secure, and scalable systems using Spring Boot, Spring Data, Spring Cloud, PostgreSQL, Hibernate, Kafka, Docker, and Kubernetes. Strong background in AWS cloud deployments, secure DBMS design, CI/CD pipelines, and modern DevOps practices. AWS Certified Solutions Architect Associate with a track record of delivering maintainable, production-grade solutions using Agile methodologies.

Technical Skills

Languages: Java, JavaScript, TypeScript, SQL

Frameworks & Libraries: Spring Boot, Spring Cloud, Spring Data, Spring MVC, Spring JDBC, Spring Batch, Spring OAuth2, Hibernate, React, Angular

Cloud & DevOps: AWS (S3, CloudFront), Docker, Kubernetes, Jenkins, GitLab CI/CD, Terraform, Grafana, ELK Stack

Databases & Messaging: PostgreSQL, MariaDB, Redis, Kafka, RabbitMQ

Testing & Practices: JUnit, Mockito, JMockit, JIRA, Agile/Scrum, CI/CD

Professional Experience

Goldman Sachs (via Insight Global) • 10/2024 – Present

Software Engineer

- Built a proactive health check endpoint adopted across multiple services, improving early detection of application performance and availability issues.
- Enhanced probers and redesigned Grafana dashboards, giving on-call engineers clearer visibility into system health and faster anomaly detection.
- Identified and remediated security vulnerabilities across Dockerfiles and Maven/Gradle dependencies, strengthening the team's overall security posture.
- Streamlined GitLab CI/CD pipelines by redesigning auto-tagging and versioning scripts, reducing manual release overhead.
- Expanded JUnit test coverage using Mockito and JMockit, improving code reliability and reducing regressions.
- Built and maintained end-to-end test automation using Playwright, partnering with cross-functional teams to gather business requirements and ensure comprehensive test coverage.

Advanced Bank of Asia Limited • 06/2022 – 04/2023

Software Engineer

- Utilized Kubernetes for container orchestration, ensuring efficient deployment, scaling, and management of microservices.
- Developed dynamic single-page applications (SPAs) using Angular, enhancing user experience with responsive and interactive UI components.
- Designed and maintained CI/CD pipelines, automating build, test, and deployment processes to reduce deployment times by 20%, and utilized Spring Boot Actuator and ELK Stack to proactively identify and resolve 20% of potential production issues.
- Deployed 5+ static web applications on AWS S3 with CloudFront, ensuring 99.99% uptime and optimal performance, and managed Redis clusters with Docker Compose to enhance data caching, reducing response times by 50%.

Wing Bank • 09/2020 – 05/2022

Software Engineer

- Designed, developed, and implemented scalable microservice Java applications using Spring Boot and Spring Cloud, improving system performance by 25%.
- Architected robust authentication and authorization applications with Spring OAuth2, achieving a 70% improvement in authentication processing time and ensuring secure access control.
- Engineered high-performance API services with Spring Boot and MariaDB, optimizing databases to improve query response times by 20%.
- Implemented and maintained CI/CD pipelines with Jenkins and GitLab CI, reducing deployment times by 40% and ensuring continuous application availability.

Mobile C&C • 08/2018 – 09/2020

Software Engineer (Client: PPC Bank)

- Built responsive and user-friendly interfaces using JavaScript/TypeScript and Angular.
- Planned, developed, tested, and executed the integration between 3rd-party services and the existing core banking system. Contributed to a 10% improvement in API response times.
- Streamlined the integration process between the RFT system of the National Bank of Cambodia and the core banking system, ensuring accurate and efficient fund transfers. Incorporated enhancements that led to a 30% reduction in transaction processing time, improving overall operational speed.
- Established and maintained the ATM Gateway, facilitating communication between ATM Host and Core Banking Module. Improved code readability and ease of maintenance by 40%.
- Worked on Spring MVC, Spring JDBC, Spring Batch and microservice applications.

GL Finance • 09/2017 – 08/2018

Software Engineer

- Implemented new features and maintained the core system using Spring Data JPA and Hibernate.
- Designed and implemented message-driven applications with RabbitMQ, ensuring reliable and efficient message delivery between microservices.
- Designed a full-stack application using Vaadin, a Java-based web application development platform, to deliver a seamless and responsive user experience.
- Developed software using Agile methodology and tracked progress in JIRA.
- Adhered to SDLC, created design documents, and performed coding and testing.

Education

M.S. in Computer Science

Maharishi International University (Iowa, USA), 2025

B.S. in Computer Science

Norton University (Phnom Penh, Cambodia), 2018

Certifications

AWS Certified Solutions Architect – Associate (SAA-C03)

HashiCorp Certified: Terraform Associate (003)