THEARA SENG

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Software Engineer

Experienced Software Engineer with 6 years in full-stack development using Java, Spring Boot, Angular, and React. Skilled in analyzing and designing applications to implement high-performance, secure systems with Spring Boot, Spring Data, Spring Cloud, PostgreSQL, Hibernate, Kafka, Docker, Kubernetes, and maintaining CI/CD pipelines. Strong background in AWS deployments, secure DBMS design, and DevOps practices. Certified AWS Solutions Architect Associate focused on delivering high-performance, secure, and maintainable software solutions using Agile methodologies.

Professional Experiences

Goldman Sachs • 10/2024 – Present
A leading global investment bank.

Software Engineer
- Implemented JUnit testing to cover code coverage using Mockito and JMockit.
- Addressed security findings in various applications, including issues in Dockerfile and libraries used in Maven and Gradle.
- Created a health check endpoint to proactively monitor application performance and availability.
- Enhanced an OpenID Connect CIBA dashboard using Grafana to improve authentication monitoring and visualization.
- Optimized GitLab CI/CD pipelines by fixing and updating scripts to enhance auto-tagging versioning behavior.

Advanced Bank of Asia Limited • 06/2022 – 04/2023
ABA Bank is the best bank in Cambodia backed by National Bank of Canada.

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
Financial company.

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.

PPC Bank (via Mobile C&C) ● 08/2018 – 09/2020
Commercial Bank.
Software Engineer
- Build 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 Nation 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.
- Maintained and established the ATM Gateway, facilitating communication between ATM Host and Core Banking Module. Improve code readability and ease of maintenance by 40%.
- Worked on Spring MVC, Spring JDBC, Spring Batch and micro service applications.

GL Finance ● 09/2017 – 08/2018
Digital Finance platform provider
Software Engineer
- Implemented new features and maintained the core system using Spring JPA and Hibernates.
- 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.
- Adhere to SDLC, create design documents, and perform coding and testing.

Educations

Bachelor of Science in Computer Science

Norton University, Phnom Penh, Cambodia (2018)

Certifications

AWS Certified Solutions Architect – Associate (SAA-C03)
HashiCorp Certified: Terraform Associate (003)