SEANGHORN SREANG

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JAVA DEVELOPER

Skilled software developer with over 2 years of experience developing, optimizing, and implementing highly scalable web applications for the EdTech industry. Developed and deployed distributed applications following both Waterfall and Agile methodologies using technologies like Java and Spring Boot, including working in Pair Programming. Hands-on experience utilizing different technologies and frameworks such as JavaScript, Angular, and PostgreSQL.

Object-Oriented Programming ● SOLID ● Containerization ● Container Orchestration
CI/CD ● Microservice ● Cloud Computing ● Web Security

Languages: Java, JavaScript
Web: HTML, CSS, JSON, HTTP
Web Services: REST
Web/App Servers: Apache Tomcat
Frameworks: Spring Boot, Spring Security, Spring Data, Spring Cloud, Angular
Databases: Postgresql
Design Patterns: Singleton, Builder, Factory Method
SDLC: Agile
Tools: Docker, Jenkins, Maven, GitHub, Jira, Postman, IntelliJ, AWS
Platforms: Windows

PROFESSIONAL EXPERIENCE

CAREER NOTE: *Completed on-campus studies and currently taking distance education courses to complete a* **Master's Degree in Computer Science** *(Available for full-time, W-2 employment).*

KOREA SOFTWARE HRD CENTER, Phnom Penh, Cambodia ● 03/2021 – 08/2023
IT Professional Training Center.

Software Engineer
Built Microservice

- Deployed application on AWS Cloud using Docker for containerization, Kubernetes for orchestration and Jenkins for CI/CD, ensuring high availability and scalability and streamlined the deployment process, which reduced deployment time by 45%.
- Implemented user authentication for the Online Examination portal using Spring, JWT, and Postgres, ensuring system security and reducing targeted breaches by 80%.
- Developed a robust and easy-to-use exam management system using Java, Spring, Postgres, Hibernate and RestTemplate which reduced labor costs.
- Designed the architecture to implement the RESTful API for Online Examination in enterprise-level Java applications with microservice, resulting in an easier process to diagnose and fix issues without disrupting the entire application.
- Developed microservices such as authentication, exam management, question generation, exam scheduling, and student result computation using Spring Boot, and PostgreSQL, improving system isolation, and reducing debugging time by 60%.
- Conducted thorough testing including unit testing, integration testing, and end-to-end testing using frameworks like JUnit and Mockito, ensuring the reliability and functionality of the system.
- Enhanced code quality and collaboration by participating in code reviews, providing constructive feedback and identifying potential improvements, which resulted in a 75% reduction in code defects and promoted a culture of continuous improvement.

- Developed and optimized database schemas and query performance using PostgreSQL, contributing to the overall efficiency and effectiveness of the system.

__Technologies Used:__ Java, Spring, Hibernate, JWT, AWS, PostgreSQL, RestTemplate, JUnit, Mockito

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ACADEMIC PROJECT

Maharishi International University (2024) Online-Shopping: e-commerce online shopping website where user can shop products online. I have implemented the API and the database. Utilized JavaScript, HTML, CSS, MongoDB, NodeJS

PERSONAL PROJECT

Job Boarding 2024: - It is the platform for job searching and job posting. I implemented the API using Spring boot. Utilized Java, Spring Boot, Hibernate, Docker, PostgreSQL

EDUCATION

Master of Science in Computer Science
(In progress via distance education; expected completion 04/2026)
Maharishi International University, Fairfield, Iowa

Key Courses: Algorithms, Web Programming, Software Engineering, Software Architecture

Bachelor Degree in Management Information System
Setec Institute, Phnom Penh, Cambodia (2023)