

Mosenith Heang

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Software Engineer

Professional Summary

Software Engineer with over 4 years of experience in developing and designing distributed systems. Proven ability to manage multiple projects simultaneously, with proficiency in **C#, Java, ASP.NET Core Framework, Angular, TypeScript, SQL/NoSQL, AWS/Azure**. Bilingual in Japanese and English with great communication skills in both writing and speaking. A highly motivated and quick learner with a strong work ethic and problem-solving skills, and the ability to work independently or as part of a team.

Technical Skills

Languages:	C#, Java, Python
Framework:	ASP.NET Core Framework, Spring Boot Framework, Maven, Hibernate
Web API:	REST, GraphQL, Web Socket, SOAP
Frontend:	Angular, React (basic knowledge), TypeScript, JavaScript, CSS3, HTML5
Database:	MySQL, MS SQL, PostgreSQL, Oracle, MongoDB
Testing & Security:	xUnit, Moq, JUnit, Mockito, JWT, OAuth2
Tools:	Elastic Stack, JMS, Jenkins
Cloud:	AWS (S3, IAM, Apache Kafka), GCP, Azure, Git
Software Development:	Agile, Scrum, Domain Driven Design (DDD)
Data Science & AI:	Natural Language Processing (NLP), Machine Learning, and Big Data

Experiences

Intern Full Stack Developer

Simpaz Corporation (Feb 2024 - Present)

- Collaborated with teams, including developers and product managers, to gather requirements and translate them into functional UI components.
- Designed and implemented user-friendly and responsive UI components for multiple features, including location and languages, using **Angular, TypeScript, and JavaScript**.
- Developed and maintained backend applications using **ASP.NET Core and C#** to support the frontend UI components.
- Implemented **RESTful APIs** and services to facilitate data exchange between the frontend and backend systems.
- Utilized **Object-Relational Mapping (ORM)** techniques and repositories to map input data to database (**MS SQL**) entities.
- Followed industry-standard coding practices, including version control with **Azure DevOps**, code reviews, and continuous integration/continuous deployment (CI/CD) pipelines.

Project Name: Company Setup Location, Company Setup Secondary Languages

Software Engineer (Full Stack - Java)

OneStop Studio (Jan 2022 - Sep 2022, August 2023 - Jan 2024)

- Refactored monolithic applications (**Java, C#, and ASP.NET Core**) to distributed applications using **Java and Spring Boot Framework**.
- Developed responsive front-end interfaces with **Angular, TypeScript, CSS3, HTML5, and JavaScript**.
- Built and maintained **RESTful APIs** using **Spring Boot and Spring MVC**.
- Designed and implemented secure DBMS using **Spring Data JPA and Hibernate**.
- Utilized monitoring tools like **Spring Boot Actuator and ELK Stack (Elasticsearch, Logstash, Kibana)** for proactive issue identification.
- Wrote comprehensive unit tests for APIs using **JUnit and Mockito**.
- Created CI/CD pipelines with **AWS EC2 and Azure DevOps**.

Project Name: Automated Payroll System, Employee Attendance System, Booking Management System.

Software Engineer

Lunasa Telematic & Technologies (Jan 2020 - Aug 2022)

- Designed, implemented, and tested new features to a position tracker web applications using **C#, ASP.NET Core, Angular, and TypeScript**.
- Utilized **ActiveMQ** for messaging and asynchronous communication between the web application and other backend systems.
- Maintained existing applications and helped diagnose problems in the development process.
- Retrieved all the available locations of public facilities, convert to readable format and store in database using **SQL and NoSQL databases**.
- Co-developed custom Java SE application services for users to view GPS information using **C# and ASP.NET Core**.
- Co-developed and tested a Java-based custom map application utilizing GIS technologies.

Project Name: Position Tracker Web Application, Customer GPS Data Viewer, Data Pipeline From Database To Backend Applications.

Personal Projects

E-Commerce Project: <https://github.com/Mosenith/Online-Retail-System>

Technology: Java, Spring Boot, Cloud, Data, Authentication & Authorization JWT Token, REST API, GraphQL, MySQL, JUnit

Design Pattern Best Practice: <https://github.com/Mosenith/Enterprise-SpringBoot-Application-Template>

Technology: Java, Spring Boot, Factory Design Pattern, MySQL, AWS EC2, S3

Data Input Services System: <https://github.com/Mosenith/DataInputServices>

Technology: Java, Spring boot, Spring Cloud Sleuth, Kafka, Docker, MongoDB, Azure DevOps

Undergraduate Research - Classification on Khmer news articles: https://github.com/Mosenith/Colab_project

Technology: Python 3, Conditional Random Fields (CRF), TF-IDF, Word2Vec, SVM, Naive Bayes

Education

Master of Science - Computer Science (11/2022 - 06/2025)

Maharishi International University, Fairfield, Iowa

In progress via distance education, expected completion is 2025

Bachelor of Engineering - Computer Science (04/2019 - 03/2022)

Osaka Prefecture University, Osaka, Japan

Associate of Science - Information Technology (04/2017 - 03/2019)

Osaka Information and Computer Science College, Osaka, Japan

Languages & Honors

English - Fluent

Japanese - Fluent

Japanese Government (MEXT) Scholarship: 2016-2020

Japanese Language Proficiency Test (JLPT) - N2