

# Mosenith Heang

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## Full Stack .Net Developer

### Professional Summary

Experienced Full Stack .NET Developer with robust expertise in developing scalable and efficient enterprise applications, currently serving at Deloitte US. Skilled in utilizing cutting-edge technologies including **.NET 8.0, C#, Entity Framework Core, React.js, and SQL Server** to deliver high-performing software solutions. Demonstrated success in migrating legacy systems, optimizing backend APIs, and enhancing frontend functionalities. Adapted to collaborating with stakeholders and technical teams to gather requirements, refine designs, and implement tailored solutions. Additional proficiency in **Python** scripting for automation tasks such as form validation and document generation. Prior experience includes designing microservices and secure **RESTful APIs**, leveraging **Angular, TypeScript, Dapper, and CQRS** methodologies.

### Technical Skills

<b>Languages:</b>	C#, Java, Python
<b>Framework:</b>	ASP.NET Core, Entity Framework, ASP.NET Core MVC, Spring Boot
<b>Web API:</b>	RESTful API, GraphQL, JQuery
<b>Web:</b>	React JS, Angular, TypeScript, JavaScript, CSS, HTML, Bootstrap, ASP.NET Web Forms
<b>Database:</b>	Microsoft SQL Server, MySQL, PostgreSQL, MongoDB
<b>Testing &amp; Security:</b>	xUnit, Moq, JWT, OAuth2
<b>Tools:</b>	Azure DevOps, Git/GitLab, Microsoft Office Suite
<b>Cloud:</b>	AWS (S3, IAM, Apache Kafka), GCP, Docker
<b>SDLC:</b>	Agile, Scrum, Waterfall
<b>Design Pattern:</b>	Command Query Responsibility Segregation (CQRS), Domain Driven Design (DDD), Test Driven Design (TDD), Singleton, Factory Pattern
<b>Data Science &amp; AI:</b>	Natural Language Processing (NLP), Machine Learning, and Big Data

### Experiences

#### Full Stack .NET Developer

Deloitte US (Sep 2024 – Present)

- Collaborated with technical leads and business teams to gather requirements and refine system designs prior to development.
- Engineered backend APIs and modernized legacy **.NET 4.0 applications** using **C#, Entity Framework Core, and Dapper**.
- Built scalable **.NET 8.0 applications** and handled backend logic integration with **SQL Server** databases.
- Implemented, migrated, and optimized **SQL stored procedures** to enhance overall database performance.
- Enhanced frontend functionality by developing new features and resolving bugs within **React.js**-based interfaces.
- Developed and maintained **Python scripts** for file processing, form validation, and PDF/Excel document generation, adapting logics and outputs to meet changing business requirements.

**Project Name:** Pennsylvania’s Department of Human Services - Office of Medical Assistance Programs

#### Full Stack .NET Developer

Simpaz Corporation (Feb 2024 - Jun 2024)

- Participated in grooming and story sizing sessions with stakeholders to clarify business and functional requirements.
- Designed high-performance relational databases in **SQL Server** and **Postgres**, including functions, stored procedures, and query optimization.
- Designed and developed inventory **microservices** using **Domain Driven Design, CQRS, Entity Framework, and Dapper**.
- Implemented secure **RESTful APIs** using **ASP.NET Core** with **CORS** policies to protect backend services.
- Created responsive single-page features for inventory and HR setup using **Angular, TypeScript, Bootstrap, and ASP.NET MVC**.
- Wrote comprehensive unit and UI tests using **xUnit, Moq, Jasmine, and Karma**.
- Implemented **CI/CD** workflows using **Azure DevOps** for version control, automated builds, and streamlined deployments.

**Project Name:** Company Setup & Approval, Stock & Warehouse Management

### Full Stack Software Engineer

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

- Refactored monolithic applications (**Java, C#, and ASP.NET Core**) into modular microservices applications using **ASP.NET Core** and **Angular**.
- Designed and implemented secure database using **MySQL and SQL Server**.
- Built and maintained **RESTful APIs** with **ASP.NET Core Web API** to handle business logic and data exchange.
- Developed responsive front-end interfaces with **Angular, TypeScript, CSS3, HTML5, and JavaScript**.
- Wrote comprehensive unit tests for APIs using **xUnit and Moq**.
- Set up monitoring using **Application Insights** and **Elastic Stack** for proactive issue detection and system health tracking.
- Configured **CI/CD** pipelines with **AWS EC2** and **Azure DevOps** to automate builds, tests, and deployments.

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

### Software Engineer

Lunasa Telematic & Technologies (Jan 2020 - Jan 2022)

- Participated in the development and maintenance of GPS-based tracking systems using **C#, ASP.NET Core, Angular, and TypeScript**.
- Designed and implemented new features for the position tracker web application, enhancing real-time tracking and user interaction.
- Co-developed custom **.NET Core** services and map applications leveraging **GIS** technologies to visualize GPS data.
- Utilized **RabbitMQ** for asynchronous messaging and communication between distributed backend systems.
- Processed and transformed public facility location data into readable formats and stored them using **SQL and NoSQL** databases.
- Diagnosed and resolved issues in existing applications, contributing to ongoing system stability and performance improvements.

**Project Name:** Position Tracker Web Application, Customer GPS Data Viewer, Data Pipeline from Database to Backend Applications.

### Education

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#### Master of Science - Computer Science (11/2022 - 06/2026)

Maharishi International University, Fairfield, Iowa

#### 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

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**English** - Fluent

**Japanese** - Fluent

Japanese Government (MEXT) Scholarship

Japanese Language Proficiency Test (JLPT) - N2