

Hyunkyung Oh (Claire)

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Professional Summary

Backend-focused Software Engineer with over eight years of commercial experience developing and supporting business-critical applications using C# and .NET, including five years of experience with Java and Spring. Strong background in .NET Framework, ASP.NET, Java, Spring, SQL Server, Oracle, REST APIs, and system integrations, with proven experience troubleshooting production issues, improving database performance, and delivering reliable software solutions. Currently expanding into modern frontend and cloud-based development through hands-on experience with Docker and AWS. Experienced in mentoring junior developers and actively using AI-assisted development tools for prototyping, debugging, and code improvement while validating generated solutions.

Core Skills

Backend	C# (.NET Framework), Java (Spring)
	SOAP/RESTful API integration
	Microservices architecture
Frontend	HTML, CSS, JavaScript
	Next.js(React-based), TypeScript
Database	SQL Server, Oracle
	Basic exposure to Vector DB (ChromaDB)
Cloud & DevOps	AWS (EC2, S3, Route 53, containerized deployment)
	Docker
	CI/CD pipelines for build & test automation
Tools	SVN, Git, GitHub, Git Actions
Soft Skills	Cross-team collaboration, Clear technical communication, Strong problem-solving skills

Education

Master of Information Technology, Whitireia / WelTec Polytechnic – Wellington, NZ

- Jul 2023 – Nov 2024 | GPA: 3.72 / 4.0
- Thesis: A comparative study of text mining in predicting financial market trends based on news data.

Master of Information Security Engineering, University of Science and Technology - Daejeon, South Korea

- Mar 2007 – Feb 2009 | GPA: 4.05 / 4.5
- Thesis: A proxy-based OpenID Model for protecting users' web activity information.

Bachelor of Computer Science and Information Engineering, Sungshin Women's University - Seoul, South Korea

- Mar 1999 – Feb 2003 | GPA: 3.35 / 4.5

Project Experience

Graduation Project – Financial News Sentiment Analysis

- Built a financial news sentiment analysis project using Transformer-based and LSTM-based models.
- Collected and cleaned news data through web crawling (AP News) and performed manual data labelling.
- Evaluated model performance and identified preprocessing techniques that improved classification accuracy.
- Tech Stack: Python, TensorFlow, Pandas, Scikit-learn

Professional Experience

Senior Developer, Vision IT, OZNet Korea – South Korea

Mar 2020 – Nov 2022

- Developed Java-based microservices integrated with an existing C# intranet system using SSO authentication.
 - Implemented SOAP/RESTful APIs to integrate internal services with headquarters systems.
 - Worked with Oracle, SQL Server, and PostgreSQL, analysing and optimising complex SQL queries to improve application performance.
 - Implemented monitoring and logging solutions and resolved production incidents through troubleshooting and root cause analysis.
 - Delivered several internal web systems, including guesthouse booking, camera rental, and task management platforms.
 - Maintained and enhanced over 15 internal web applications, ensuring system reliability and ongoing operational support.
 - Collaborated with cross-functional teams to deliver stable internal systems and resolve operational issues.
 - Tech Stack: Java (Spring), .NET (C#), PHP, MSSQL, Oracle, PostgreSQL, IIS, Weblogic
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Intermediate Developer, Korean Register of Shipping (KRS) – South Korea

Aug 2009 – Dec 2013

- Managed internal IT systems, including email servers and database operations, ensuring stable day-to-day system performance.
 - Coordinated with external vendors to oversee outsourced system development and website renewal projects.
 - Led project coordination for the development of an e-learning platform, working with stakeholders and external developers to deliver the system.
 - Tech Stack: .NET (C#), Java (Weblogic), SVN, IIS, DNS, SMTP
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Junior Developer, Open Systems – South Korea

Jul 2004 – Jan 2007

- Supported and maintained enterprise ICT systems for Daelim Corporation, ensuring reliable operation of internal business applications.
 - Tech Stack: Java (EJB), Delphi, Oracle
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Volunteer

Toi Whakapapa project – Wellington, New Zealand (Oct 2025 - Present)

<https://toiwhakapapa.org.nz>

- Contributed to the development of a website sharing Māori whakapapa (genealogy) and its five cultural elements.
 - Communicating and exchanging ideas with about 5–6 volunteers in weekly meetings held every Wednesday.
 - Collaborated with a group of 5–6 volunteers through weekly meetings to discuss ideas and support project progress.
 - Helped promote the value of family and cultural identity through Māori whakapapa, supporting children in exploring their roots.
 - Tech Stack: Next.js, Typescript, Vercel
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REFERENCE

Available upon request.