

Hyunkyung Oh (Claire)

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Professional Summary

Software Engineer with 8+ years of experience building backend systems and modern web applications using C# .NET, Java, and Spring. Proven experience in modernising enterprise systems and improving operational efficiency, including reducing processing time by 77.5% through system modernisation initiatives. Strong background in API design, system integration, and performance optimisation within complex enterprise environments. Due to the internal nature of many previous projects, only a limited portion of work can be publicly demonstrated in this portfolio.

Core Skills

Backend	Java (Spring), C# (.NET Framework) RESTful API design & integration Microservices architecture Unit & Integration testing
Frontend	HTML, CSS, JavaScript Basic experience with Next.js & TypeScript
Database	Oracle, SQL Server Basic exposure to NoSQL (ChromaDB)
Cloud & DevOps	AWS (EC2, S3, containerized deployment) Docker Monitoring & logging Basic experience configuring CI pipelines for build & test automation
Tools	Git, GitHub
Soft Skills	Cross-team collaboration, Clear technical communication Mentoring junior developers, Strong problem-solving skills

Professional Experience

Senior Developer, Vision IT, OZNet Korea – South Korea

Mar 2020 – Nov 2022

- Developed multiple Java microservices as independent systems, integrated with the existing C# intranet via SSO.
- Implemented RESTful API integrations, including SSO with headquarters systems.
- Worked with Oracle, SQL Server, and PostgreSQL, optimising complex SQL queries and improving performance.
- Added monitoring/logging and performed production troubleshooting and post-incident fixes.
- Delivered multiple systems (guesthouse booking, camera rental, and HQ task management).
- Maintained 15+ web programs, ensuring system reliability and timely updates.
- Tech Stack: Java (Spring), .NET (C#), PHP, MSSQL, Oracle, PostgreSQL, IIS, Weblogic

Intermediate Developer, Korean Register of Shipping (KRS) – South Korea

Aug 2009 – Dec 2013

- Managed internal systems, email servers, and database operations.
 - Oversaw outsourced system development and website renewal.
 - Project management for the development of an e-learning system.
 - Tech Stack: .NET (C#), 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.
- Tech Stack: Java (EJB), Delphi, Oracle

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

- Collected and cleaned financial news data using web crawling (AP News).
- Implemented and compared Transformer-based and LSTM-based sentiment analysis models.
- Performed data labelling and evaluation, identifying key preprocessing techniques impacting accuracy.
- Tech Stack: Python, TensorFlow, Pandas, Scikit-learn

Volunteer

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

- Building a website to share Māori whakapapa (genealogy) with five cultural elements.
- Communicating and exchanging ideas with about 5–6 volunteers in weekly meetings held every Wednesday.
- Motivated to share the universal value of family through Māori whakapapa (genealogy), helping children reflect on their roots by contributing with my own skill.
- Tech Stack: Next.js, Typescript, Google form

REFERENCE

Available upon request.