

Hyecheol (Jerry) Jang

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Summary

Interested in finding optimized solution using Cloud (MS Azure) and writing understandable codes. Passionate about new technologies/languages/solutions. Experienced in **backend**/frontend development, deployment/operation, and **project management**. Open to **internships/co-op** opportunities as a **software developer** or **solution architect**. Expect to graduate in May. 2024.

Education

University of Wisconsin-Madison

Madison, WI, United States

B.S. IN COMPUTER SCIENCE; DOUBLE MAJOR IN STATISTICS; MINOR IN ENTREPRENEURSHIP

Jul. 2018 - Current

- **GPA: 3.89/4.00**, Dean's List in 3 out of 4 semesters
- Library Technology Student Assistant at College Library, Memorial Library, and CALS Computing Lab
- Military Service in Busan, South Korea (Oct. 2020 - Jul. 2022)

Work Experience

Korean-American Scientists and Engineers Association - Wisconsin Chapter (Nonprofit Organization)

Madison, WI, United States

DIRECTOR OF TECHNOLOGY (VOLUNTEER)

Dec. 2018 - Current

- Responsible for developing and maintaining organization's website and other practical applications for management, events, and membership services
- **Project: KSEA-Wisc Website** (Jul. 2019 - Nov. 2019) - Project Manager & Lead Developer
Designed and developed a website for general information, membership services, and event notifications
Creatively designed/developed/launched the organization's website to run at zero cost using HTML, CSS, Jekyll, GitHub Pages, and Cloudflare CDN
- **Project: Event Ticket System** (Aug. 2022 - Current) - Project Manager & Lead Developer
Building automated event ticket generation (QR code) and ticket validation for admission (Est. Release: Jan. 2023)
Using Azure Function, Azure Blob Storage (for static website hosting), Azure Cosmos DB, Cloudflare (CDN), and React Native
- **Project: KSEA-Wisc Website Version 2** (Sep. 2022 - Current) - Project Manager & Lead Developer
Enhancing the website by adding an admin portal using Next.js and MS Azure (Est. Release: Jan. 2023)

uniQon

Seoul, South Korea

CHIEF TECHNOLOGY OFFICER (FULL-TIME)

May. 2020 - Oct. 2020

- Closely collaborated with CEO to build concrete business plans; traveled frequently for business meetings
- Recruited and trained interns and software developers
- Implemented IT infrastructure and remote working environment with Microsoft Teams, Jira, and GitHub
- **Project: uniQon: Mentoring System for High School Students** (Jun. 2020 - Oct. 2020) - Project Manager
Elaborated an idea of a system that provides prospective applicants with college application data and mentor information
Designed the overall system architecture; estimated the project timelines and set up milestones
Allocated the resources and team members workload; Adopted an agile workflow process (Scrum) with weekly feedback to team/individuals
Involved in early-stage development using NodeJS with TypeScript and MongoDB to develop and operate API server, web page, and admin portal

Projects

BusanDevelopers Event Calendar

Busan, South Korea

PROJECT MANAGER & LEAD DEVELOPER

Aug. 2021 - Jan. 2022

- Effectively divided the project into smaller milestones, and managed/collaborated with one back-end developer and one front-end developer
- Used React (MUI), NodeJS, Azure Cosmos DB, ExpressJS, and ReDoc and manually set TypeScript React environment using ESLint, WebPack, and Babel
- Released on Jan. 2022; Source Code: github.com/BusanDevelopers

Cloudflare Public Dynamic IP Update Script

Madison, WI, United States

DEVELOPER

Jul. 2019 - Aug. 2019

- Built a script to update server's dynamic ip address to Cloudflare (DDNS)
- **50+ GitHub Star**; Source Code: github.com/hyecheol123/Cloudflare-Public-Dynamic-IP-Update

Honors & Awards

Third Place, 2022 AI-Blockchain Idea Competition, Busan Metropolitan City, South Korea

Skills

Programming Language: TypeScript, JavaScript, Java, SQL, R, C, C++, Python, Bash

Cloud Service: Microsoft Azure **AZ-900**, **AI-900**, **DP-900 Certified**, Naver Cloud Platform, AWS, DigitalOcean (and other VPS providers)

DB: Azure SQL, Azure Cosmos DB, mariaDB, mongoDB, redis

Web Development: Express, React, Redux, MUI (React Library), Next.js, Socket.IO, WebSockets, HTML, CSS

Misc: Linux/UNIX Server (Ubuntu, Debian, CentOS), Git, Cloudflare, PyTorch, Arduino, Raspberry Pi, Scrum

Microsoft Office Specialist (Microsoft 365/Office 2019): Associate (Excel, Powerpoint, Word), Expert (Excel Expert, Access Expert)