

Honggun Jeon

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https://next-js-blog-project-nine.vercel.app/

EDUCATION

University of Hawaii at Mānoa

Bachelor of Science in Computer Science; GPA: 3.65/4.0

Dec 2024

Honolulu, HI

Kapiolani Community College

Liberal Arts; GPA: 3.6/4.0

Dec 2019

Honolulu, HI

Samsung DX Algorithm Camp

Algorithm Development and Optimization

Jul 2022 – Aug 2022

Seoul, South Korea

- Implement optimized algorithms using C++ to enhance solution efficiency by 50-100 percents, tackling 10 large-scale and 50+ smaller problems, significantly reducing execution times.
- Designed and implemented efficient functions to address intricate challenges with the large scope of queries.
- Collaborated with peers to analyze problem sets, brainstorm solutions, and optimize code for performance and scalability.

TECHNICAL SKILLS

Languages: Java, C++, Python, JavaScript, TypeScript, SQL, ORM-based database

Frameworks: LangChain, LangGraph, Spring Boot, Node.js, Next.js, React, Angular

Developer Tools: Git, Docker, AWS, VS code, Clion, Pycharm, IntelliJ, HashiCorp Vault

EXPERIENCES

API Lead

Information Technology Services, University of Hawaii at Mānoa

Nov 2023 – Dec 2024

Honolulu, HI

- Maintained the UH Groupings website using Java and Spring Boot, implementing new features based on stakeholder input.
- Led API development for UH Groupings, a web service for organizing and managing groupings of people affiliated with the University of Hawaii.
- Created comprehensive API documentation and standardized project structures.
- Mentored junior developers and conducted in-person workshops on API technologies.

PROJECTS

UH Groupings | *Sprnb boot, Java, Angular, NextJS, React, Docker, Vault, Grouper API*

Nov 2023 – Dec 2024

- Reverse-engineered external APIs to adapt third-party solutions seamlessly into the core project, implementing out of the box project.
- Enhanced team development efficiency by designing Docker projects with Docker Compose for local environments.
- Designed standardized failure objects and integrate HashiCorp Vault to store the secrets for enhanced security.

Backend API Orchestration AI | *FastAPI, LangGraph, NextJS, Docker, AWS, PostgreSQL*

Dec 2024 - Present

- Designed model context protocol (MCP) hierarchical agent system with main coordinator + domain-specific sub-agents (3 layers) to dynamically route and execute Full Stack API requests with human natural language.
- Implemented LLM-powered decision layer selecting optimal multiple domains API execution strategy (batch/parallel/async) and multi step execution with human-in-the-loop based on existed API specifications
- Built auto-context fetching: Sub-agents autonomously retrieve missing data through GET requests or asking the information to human before executing updates, get page contexts from the state of the UI components.
- Integrated graph-based safety guardrails using topological sorting multi-agent tasks for API dependency conflict prevention, with human confirmation interrupts on write operations blocking 100+ potential write errors

CERTIFICATIONS

AWS Certified Solutions Architect – Associate (SAA-C03)

Jan 2025

ACTIVITIES

ACM Manoa | *ACM Server Administrator, Webmaster*

Aug 2023 – Feb 2024

- Manage ACM Server, maintain and update ACM website