# Min Hoi Song | Daniel Song

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## Technical Skills

Python, Java, C++, Flask, React, Tailwind, Spring Boot, MySQL, Docker, Postman, Ngrok, Github, REST API

## Work Experiences

### Solutions Architect(02/2025 - Current | Solum America Inc)

- Consult with customers on in-house SaaS or on-premise solutions.
- Conduct debugging and analyze issues encountered by customers.
- Collaborate with stakeholders to gather business and technical requirements.
- Create documentation such as architecture diagrams, implementation guides, and best practices.
- Assist in migration planning (e.g., cloud adoption or system modernization).
- Support sales teams with technical input during the pre-sales cycle.

### Software QA Engineer(10/2023 - 01/2025 | Samsung Electronics America)

- Performed systematic testing of mobile software
- Developed, executed test cases, and logged defects
- Collaborated with developers to ensure timely resolution

### IT Assistant Manager(01/2023 - 10/2023 | Laklara Inc.)

- Implemented and managed Warehouse Management System (WMS) deployment, overseeing configuration and rollout
- Researched and designed API integration between WMS and ShipStation, enabling synchronized order and inventory management
- Analyzed and maintained company websites and IT infrastructure, ensuring system reliability and scalability

## Internships

### Research Engineer(06/2019 - 04/2021 | Korea Institute of Science & Technology)

- Designed a real-time 2D human pose and 3D pose reconstruction pipeline using Python (Linux) and C++ (Windows) to explore markerless motion tracking
- Leveraged multi-GPU parallel training with PyTorch to accelerate deep learning model performance
- Developed scripts in NumPy to aggregate human pose datasets (MPII, COCO), improving model generalization
- Integrated Intel RealSense SDK (C++) with multi-camera synchronization to enable accurate 3D reconstruction.
- Automated multi-camera calibration by writing batch scripts with Colmap, streamlining multiple calibration steps

## Certification

- AWS Solutions Architect Associate

## Education

- The University of Minnesota, Twin Cities(01/2023) | **MS** in Computer Science
- The University of Minnesota, Twin Cities(05/2019) | **BS** in Computer Science