

Sangwoo Shin

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SUMMARY

Software Developer with expertise in Python, JavaScript, and full-stack development. Skilled in building scalable applications, leveraging modern frameworks, and optimizing workflows. Strong problem-solving, collaboration, and communication abilities with a commitment to delivering innovative solutions.

WORK EXPERIENCE

Software Developer (Co-op) <i>Ministry of children community and social service (MCCSS)</i>	Sep 2023 – May 2024 <i>Toronto, ON</i>
<ul style="list-style-type: none">Developed Python-based applications to streamline workflows and improve system functionality, leveraging frameworks like Django and Flask.Troubleshooted and resolved technical issues by applying object-oriented programming principles and effective debugging techniques.Designed and optimized relational databases (PostgreSQL, MySQL) to support scalable business applications.Conducted code reviews, provided constructive feedback, and collaborated with cross-functional teams to deliver high-quality software solutions.	
Server <i>Hashi Izakaya</i>	Dec 2022 – AUG 2023 <i>Toronto, ON</i>
<ul style="list-style-type: none">Delivered excellent customer service in a fast-paced environment, showcasing problem-solving and collaboration skills.Developed multitasking and communication abilities, ensuring timely resolution of service issues.	
Combat Engineer (Demolition Specialist) <i>Republic of Korea Army</i>	May 2019 – Jan 2021 <i>South Korea, Yang-Pyung</i>
<ul style="list-style-type: none">Led a squad of 10, demonstrating strong leadership, problem-solving, and collaboration skills in high-pressure scenarios.Applied analytical thinking to execute complex demolition projects while ensuring safety and precision.Provided mentorship and operational safety training to team members, fostering resilience and collaboration.	

PROJECT

OPS-GPT
<ul style="list-style-type: none">Built an AI-powered document analysis platform using Python frameworks, relational databases (PostgreSQL), and cloud technologies.Conducted system troubleshooting and integration testing to ensure reliability and scalability.Collaborated with team members to design APIs, optimize workflows, and document technical solutions.
OPS AI Wellness Companion (2024 Microsoft AI Hackathon)
<ul style="list-style-type: none">Designed and implemented a chatbot using Python and Azure OpenAI to provide personalized mental health support.Automated workflows using Python and integrated analytics tools to improve user experience and performance.Delivered constructive feedback during code reviews to enhance team collaboration and development processes.
AIRE (Architect Intake Review Engine)
<ul style="list-style-type: none">Automated document workflows using Python Imaging Library (PIL) and relational databases, improving processing efficiency by 75%.Conducted research on industry trends to align technical solutions with business requirements.Authored detailed technical documentation to support software development and database optimization.

EDUCATION

Seneca College <i>Advanced Ontario Diploma, Computer Programming & Analysis</i> GPA: 3.9/4.0 <ul style="list-style-type: none">President's Honor List: 2022, 2023	2021 – Aug 2024 <i>Toronto, ON</i>
Chosun University (1 Year Completed) <i>Bachelor's degree, Chemical Engineering</i> GPA: 4.13/4.5 <ul style="list-style-type: none">President's Honor List & Full Academic Scholarship: 2018	2018 – Jan 2019 <i>South Korea</i>

CERTIFICATIONS

<ul style="list-style-type: none">Amazon Cloud Practitioner (CLF-C02)Azure Cloud Fundamental (AZ-900)	Validation number: 90f703a4fa104e069be1000fe799bf5f Validation number: 846H29-54DB56
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TECHNICAL SKILLS

<ul style="list-style-type: none">Programming Language: JavaScript, Python, Java, C++, CWeb Technologies: React.js, NextJs, Flutter, HTML5, CSS, XML, Node.js, Streamlit, Express.jsDatabase: SQL, PL/SQL, Oracle, Mongo DB, Chroma DBCloud Platform: AWS, AzureDevOps Tools: Docker, Ansible, Jira, KubernetesOperating System: Windows, Linux, Unix, MacOSOther Skills: Debugging, Integration Testing, SDLC, Algorithms, Risk Management, Quality Measures
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