

JIN KIM

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Summary

Computer science new grad and proactive problem solver with strong communication and collaboration skills, focused on building scalable full-stack solutions and exploring AI, cloud, and automation.

Education

Simon Fraser University

Bachelor of Computer Science

Expected Graduation: Dec 2025

Burnaby, BC

Work Experience

Dialpad

Jan 2025 – Present

Software Engineer Co-op

Vancouver, BC

- Led tool selection and proposed integrating libcurl to simulate user behaviour for inbound call testing, convincing teammates to **adopt it as the primary approach and reduce QA dependency**
- Expanded test coverage and enabled direct server interaction by integrating libcurl and automating builds with C++, Groovy, and Docker, **revealing multiple dev bugs and 2 production issues**
- Resolved VoIP library incompatibilities and synchronized time metrics at the C++ level to fix iOS build failures and unify logs across platforms, **restoring unit test functionality and improving debugging accuracy**
- Proactively improved developer onboarding by resolving Docker issues and rewriting setup documentation, **reducing setup time by over 70% through self-initiated improvements**

Computrol Systems

Jan 2024 – Dec 2024

Junior Developer Co-op

Burnaby, BC

- Developed new features and fixed bugs in C++ firmware and PHP web apps used to monitor and control fuel and water systems, **improving accessibility and usability for end users**
- Automated deployments, backups, and terminal setup with Azure Pipelines, C# and shell scripts, **cutting repetitive daily tasks by 90% and accelerating client onboarding**
- Built an internal tool using Bash and Python to automate the environment setup process for new customers, **reducing configuration time by 80% and lowering customer-reported issues to support**

Intersystem Controls

Jan 2023 – Sep 2023

Full-stack Developer Co-op

Vancouver, BC

- Implemented an automated license key generation microservice using PHP, Node.js, Firebase, and AWS, **fully eliminating manual work and reducing license provisioning time by 100%**
- Enabled real-time inventory visibility by building a cross-platform stock management system using TypeScript, Google Sheets, and AppSheet, **reducing manual tracking time by 75% and improved data accuracy**
- Modernized a legacy system by developing a scalable React application, **doubling development speed and enhancing the user experience** for both customers and internal teams

Projects

ERP and Defect Detection System for Manufacturing

React | AWS | PyTorch

- **Collaborated with a manufacturing client** to deploy an AI-powered defect detection system, customizing it for factory-wide use and delivering actionable insights for quality improvement
- Built and deployed a real-time ERP and quality control web app using React, Raspberry Pi, PyTorch, and Docker, **reducing infrastructure costs 90% by migrating from AWS Lambda to AWS EC2**

Leadership

Photobyme | Website | Instagram | GoogleMaps

May 2022 – Present

Founder

Vancouver, BC

- Launched Photobyme to address gaps in affordable photography services, building a fully automated platform that **generates thousands of dollars in monthly sales and serves hundreds of customers**
- Boosted website **performance by 30% through image optimization and lazy loading**, and **reduced manual support time by 30%** by developing an admin dashboard and ChatGPT-powered chatbot

Technical Skills

Languages: TypeScript, JavaScript, C++, Python, Java, SQL, HTML, CSS,

Developer Tools: AWS, Postman, Git, Azure, Docker, Jira, Colima

Libraries/Frameworks: Node, ReactJS, PostgreSQL, PyTorch