Kevin He

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EDUCATION

Bachelor of Science in Computer Science Sep 2020 – Dec 2024
Minor in Mathematics, Concentration in Scientific Computation *Calgary, AB*

LICENSES & CERTIFICATIONS

Microsoft Certified: Azure Fundamentals Issued Jul 2025
– Credential ID: 10138906D8289F0F

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, C++, R, SQL, C#
Frameworks & Tools: Spring Boot, Django, React, Node.js, .NET, Git, Docker, VS Code, IntelliJ IDEA
Web & Cloud: REST APIs, WebSockets, HTML/CSS, Firebase, Azure, CI/CD, Linux
Databases: MySQL, MongoDB, SQLite, Supabase

PROJECTS

TagIt - Vote Based Tagging App Sep 2024 – Dec 2025
Developer *Calgary, AB*
– Developed a SwiftUI-based frontend with Firebase backend to support tagging, voting, and comment filtering.
– Designed and integrated an upvote/downvote system for reviews, comments, and deals.
– Implemented toxicity detection using Word2Vec and LSTM for real-time comment moderation.
– Moderated 500+ comments with 85%+ accuracy on toxicity detection.

Smart Hotel Thermostat System Jan 2024 – Apr 2024
Developer *Calgary, AB*
– Developed a distributed system with 4+ devices simulating smart thermostats across multiple rooms using Python and MQTT.
– Implemented server-client architecture with load balancing, fault tolerance, and dynamic reconfiguration features.
– Enabled real-time data communication and temperature regulation using publish-subscribe messaging.

Spark-Bid Sep 2023 – Dec 2023
Developer *Calgary, AB*
– Built a socket-based bidding system in Java supporting concurrent clients and live auction updates.
– Designed a robust server with synchronization to handle race conditions and broadcast bid results in real-time.
– Implemented custom protocol to support messaging, bidding, and session handling across multiple users.
– Supported 10+ simultaneous bidders and reduced race conditions by 100%

Chess Sep 2023 – Dec 2023
Developer *Calgary, AB*
– Developed a chess game with all standard rules including castling, en passant, and checkmate detection.
– Implemented turn-based multiplayer gameplay

Defect Tracker Jan 2023 – Apr 2023
Developer *Calgary, AB*
– Created a full-stack web app using Django and SQLite for developers to log, track, and resolve bugs.
– Enabled role-based access control for users (Developer, Tester, Manager) with customizable workflows.
– Built dashboard features for status tracking, project categorization, and report generation.

EXPERIENCE

Doordash Courier Oct 2023 – Present
– Delivered food across Calgary while coordinating with customers under time-sensitive constraints.
– Demonstrated responsibility and communication by handling 500+ orders with high rating.

Pizza 3000 – Cashier / Pizza Maker Sep 2022 – Apr 2023
– Managed food preparation, customer orders, and store closing responsibilities.
– Balanced accuracy and speed in a fast-paced environment while handling multiple tasks.