JI YOUNG KIM

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TECHNICAL SKILLS

- **Languages:** Java, JavaScript/TypeScript, C#, C, Haskell, SQL, HTML, CSS
- **Tools/Frameworks/etc.:** Linux, VMware, Docker, Kubernetes, GCP, Node.js, Express, Nest, React, .NET, MySQL, PostgreSQL, MS SQL, MongoDB, Entity Framework, TypeORM, REST, GraphQL, JUnit, Mocha, Chai, Git, Azure DevOps, Jenkins, Datadog, Postman

WORK EXPERIENCE

Web Development Co-op, BGC Engineering, Vancouver, BC   Sep 2023 – Apr 2024
- Developed customized forms for real-time geohazard monitoring, enhancing data accuracy and user experience, and revamped .NET API to streamline SQL data migration for ~2 million rows
- Created customizable data tables for 200+ SaaS clients, improving user interaction and data management, and implemented authorized workflows and filters using C# and EF migrations
- Worked with ESRI and GIS technologies to integrate and manage geospatial data, contributing to improved data visualization and geographic analysis capabilities

Backend Software Engineer Intern, Calabrio, Inc., Vancouver, BC   Jan – May 2023
- Enhanced AWS S3 integration in Java/Haskell for cloud-based file management by restructuring APIs, leading to a 15% reduction in server response time
- Monitored application performance using Datadog, tracking errors and troubleshooting issues to ensure system reliability and efficiency

Reservist, National Defence, Vancouver, BC   Nov 2016 – Dec 2019
- Served in the Canadian Army for over 3 years, developing skills in military operations and ethical values

PROJECTS

VanCity Property Pulse   May – Aug 2023
- Designed and implemented a full-stack web application, utilizing React and Node frameworks
- Developed real-time data visualization by integrating external APIs, showcasing dynamically updated information
- Handled authentication of the application with Node.js's passport library and its Google authentication strategy

Farm You   Jul 2022
- As a backend engineer, collaborated with frontend engineers to create an e-commerce website mock-up, implementing the backend functionalities with JavaScript, utilizing TypeORM, MySQL, and other tools
- Tested the functionality of the APIs while building them, using the local database and GraphQL Playground
- Handled authentication of the app with Node.js' passport library (JWT) and by hashing passwords with BCrypt
- Deployed the website and practiced CI/CD, using the relevant GCP products

EDUCATION

Bachelor of Computer Science   Sep 2020 – Aug 2024
University of British Columbia, Vancouver, BC
- **Relevant Coursework**: Basic Algorithms and Data Structures, Intermediate Algorithm Design and Analysis, Introduction to Software Engineering, Introduction to Computer Networking, Introduction to Relational Databases
- Received the Athena Pathways Scholarships

Bachelor of Music, Piano Performance   Sep 2008 – Aug 2011
McGill University, Montreal, QC
- Received the Schulich Scholarship and the Entrance Scholarship