Sangho Simon Kim

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SKILLS SUMMARY

- 9+ years of work experience in cloud application developments
- Expert in building a scalable and maintainable solution with Typescript
- Excel in designing and constructing a horizontally scalable cloud solution using AWS
- Experienced in development and maintenance of a highly available large-scale application
- Comfortable with utilizing various AI models for suitable situations
- Passionate to share knowledges and being a mentor for junior developers

BUSINESS

Founder & Lead Developer   Nov. 2022 – Present
VisionZ Tech (Sole Proprietorship) https://www.visionztech.net

- Developed a restaurant management application with staff management and accounting features
- Automated financial report generation and AI-backed FAQ features using n8n and OpenAI API
- Mentored 10 mentees who are not majored in CS during 2 bootcamp sessions
- Secured contracts worth +$150,000 for building cloud-based web applications with mentees

WORK EXPERIENCE

Frontend Engineer   Sep. 2020 – Oct. 2023
Amazon Web Service, Vancouver, BC, Canada

- Developed 4 optimization modules in Amazon Connect using React, Express, and JSP
- Created configurable table component with pagination, sticky column, virtualization, etc
- Visualized multi-dimensional time series data using d3 with an interactive tooltip display
- Optimized processing of ~1M data points using Web Worker, reducing latency by 90%
- Constructed horizontally scalable microservice architecture with AWS Cloud Development Kit
- Automated full CI/CD pipelines for the services in multiple stage/region/cell infrastructures
- Maintained the application by building unit tests, integration tests, E2E tests, and canary tests
- Operated the application with custom-built metrics to detect and mitigate problems early
- Trained and interviewed over 30 candidates for software development engineer position
- Hosted bi-weekly knowledge sharing sessions to break down silos and learn each other's domain

Web Developer   Jan. 2018 – Sep. 2020
ClearDent, Burnaby, BC, Canada

- Developed a dental practice management and patient portal with Angular framework (v8)
- Created custom signature pad component using native HTML and JS to reduce operational cost
- Programmed automated unit and end-to-end testing with Jasmine and Protractor
- Designed and constructed fundamental reusable components to ease the future development
- Participated in over 20 interview processes, and trained newly joined developers
- Hosted several knowledge sharing sessions for ES6, RxJS, Angular and CSS-Grid

EDUCATION

Bachelor of Applied Science   Sep. 2011 – Apr. 2017
University of Waterloo, Waterloo, ON, Canada