JUSTIN KIM

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PROFESSIONAL SUMMARY

Software Engineer with 4+ years of experience building secure, high-performance payment and transaction systems in regulated environments. Strong background in TypeScript, React, and distributed systems, with a proven ability to design fault-tolerant architectures, optimize system reliability, and deliver complex features end-to-end.

EXPERIENCE

Insurance Corporation of British Columbia   Aug 2024 - Present
Intermediate Software Engineer   *Vancouver, BC*

- Engineer a secure, high-availability direct deposit onboarding system in the myICBC customer portal using React and Next.js, processing 1,000+ daily transactions with 99% uptime; improved transaction success rates by 90% through intuitive UI/UX design, input validation, and comprehensive error handling.
- Lead end-to-end initiative to onboard healthcare vendors into the ICBC.com locator application, partnering with business and technical stakeholders through requirements analysis, UI/UX design, development, testing, and production support; successfully extended existing systems to drive a 60% increase in locator traffic and doubling healthcare vendor sign-ups.
- Engineer a high-performance TypeScript backend API integrating with IBM API Connect and Elasticsearch, improving search response times by 40% and improved scalability for business.
- Refactor and maintain core features of a production mobile application using React Native and Expo, improving code maintainability, release stability, and cross-platform consistency.
- Write unit, integration, and functional tests using Vitest and Playwright to increase automated test coverage and reduce regression defects in CI/CD pipelines.

Insurance Corporation of British Columbia   Apr 2022 - Aug 2024
Software Engineer   *Vancouver, BC*

- Architected and deployed containerized microservices using Docker, Podman, and OpenShift for orchestration, improving deployment reliability and and enabling horizontal scaling across multiple environments.
- Led end-to-end development on ASP.NET Core web application used to intake healthcare vendor applications accepting 100+ applications weekly.
- Modernized a legacy insurance processing system to improve system efficiency by 80% and increase transaction throughput 10x, reducing operational bottlenecks.
- Utilized Unix CLI for operational tasks, troubleshooting, and deployment automation to streamline releases and reduce manual deployment effort.

EDUCATION

Simon Fraser University   *Apr 2022*
B.S. in Computer Science & Mathematics