

Kevin Peng

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EDUCATION

University of British Columbia

Sept 2018 - May 2023

BASc Integrated Engineering (with Distinction) - Computer Engineering Major, Electrical Engineering Minor

Awards: Trek Excellence Award, Paul Robertson Scholarship, Rutherford Scholars Award

WORK EXPERIENCE

SAP Concur

Aug 2023 - Present

Software Engineer

Vancouver, BC

- Directed 2 epics concurrently working as development lead and project manager, and implemented key features for Travel Evolution's Q2 release using Kotlin, AWS SQS, EventBridge, and CloudFormation
- Developed full-stack features using Kotlin, TypeScript, and React for the Travel Approvals product, utilized by over 2,000 travel bookings on the first day of GA
- Implemented database sync and product integration features using Go, Kotlin, and MySQL, enabling customers to migrate out of legacy products to newer systems

SAP Concur

Jan 2022 - Aug 2022

Software Engineer Intern

Vancouver, BC

- Directed epic to increase automated test coverage and refactored Kotlin unit tests to decrease CI build times by 74%
- Developed accessibility features in React and ASP.NET improving UX for 200,000 end users, and presented accessibility findings to engineers and product managers
- Revamped old ASP business logic into multiple microservices using MySQL, Kotlin, and Ktor

FISPAN

Sept 2021 - Dec 2021

Software Engineer Intern

Vancouver, BC

- Developed features for multiple administrative micro-frontends that managed product services directing over 75k total monthly transactions for major banking clients
- Implemented frontend components, reactive and asynchronous logic, and API data layers using React, Redux, and Node.js

Excelar Technologies

May 2021 - Aug 2021

Frontend Software Engineer Intern

Vancouver, BC

- Spearheaded front-end development for client contract with short turnaround time, and implemented mobile app features to meet client deliverables using React and Ionic
- Acted as point of contact with UX designers, implemented core frontend components using TypeScript and React, and published internal npm packages consumed by other engineers

UBC Visual Cognition Labs

May 2020 - Dec 2021

Software Developer to Lead Software Developer (Part-time)

Vancouver, BC

- Owned project from inception to delivery and managed an 8-person team of Software Developers, UI/UX designers, and cognition researchers
- Led full-stack development, orchestrated design and architecture, conducted engineering interviews, and reviewed code for all developers on the team using TypeScript, React, and MongoDB
- Implemented architecture refactors with Typescript and Node.js, paving the way for the team's first cloud deployment

PROJECT EXPERIENCE

Bike Security Mobile App | React Native, Node.js, AWS (SNS, EC2)

Sept 2022 - Apr 2023

- Orchestrated full-stack software architecture design and implementation, and developed an event-driven backend with SMS, Websocket, and MQTT communication using Node.js and AWS SNS
- Developed mobile app design with Figma and implemented app using React Native and Expo

SKILLS

Programming Languages: Kotlin, TypeScript, Python, Go, SQL, JavaScript, HTML, CSS

Technologies: React, MySQL, MongoDB, JUnit, Node.js, React Native, Redux, Docker, GraphQL

Developer Tools: Git, Kibana, Kubernetes, AWS (EC2, SNS, SQS, EventBridge, CloudFormation)