

# 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

- Implemented UI redesign for configuration management dashboards using TypeScript and React, increasing end user satisfaction scores by 16%
- Implemented business logic for configuration management service, enabling seamless integration with multiple ERP systems using Node.js and MongoDB

### 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)