

Kevin Peng

kevinpkf@gmail.com • (403)-390-5716

<https://www.linkedin.com/in/-kevin-peng> • <https://kevinetpeng.github.io/personal-portfolio> • <https://github.com/KevinetPeng>

EDUCATION

University of British Columbia - Vancouver, Canada

Sept 2018 - May 2023

BASc Integrated Engineering (with Distinction) - Computer Engineering Major, Electrical Engineering Minor (90% GPA)

Awards: Trek Excellence Scholarship (top 5% of the undergraduate year), Paul Robertson Scholarship, Rutherford Scholars Award, Alexander Rutherford Scholarship for academic excellence, UBC Dean's Honour List (x4)

SKILLS

Programming Languages: Kotlin, Python, Go, JavaScript, TypeScript, Java, SQL

Technologies: ReactJS, MongoDB, NodeJS, React Native, Redux, Docker, Kubernetes, MySQL, GraphQL, REST, Git, AWS (EC2, SNS, RDS)

WORK EXPERIENCE

Software Engineer Intern

Aug 2023 - Present

SAP Concur

Vancouver, Canada

- Implemented database sync features using Go and MySQL to enable feature verticals for the Concur Travel Evolution MVP serving over 40,000 end users in the first week of release.
- Developed fullstack features using Kotlin, TypeScript, and React to enable travel approvals for a product release GA for US customers, which enabled over 6000 travel bookings on the first day of product release.

Software Engineer Intern

Jan 2022 - Aug 2022

SAP Concur

Vancouver, Canada

- Owned frontend components and accessibility refactors for ReactJS and ASP.NET product improving user experience for over 2,200,000 end users, and presented accessibility findings to engineers and product managers to simplify future development.
- Developed numerous endpoints and implemented robust features for multiple microservices consuming other services and interfacing with MySQL databases using Kotlin and Ktor.
- Implemented Kibana watchers and alerts for critical service performance and error detection.
- Refactored unit test suites for service classes using JUnit 5 and MockK resulting in decreased average test runtime by 74%.

Software Engineer Intern

Sept 2021 - Dec 2021

FISPAN

Vancouver, Canada

- Owned feature development for multiple micro-frontends for product directing over 75k total monthly transactions for banks and clients, and acted as the point of contact for UI designers and product managers.
- Implemented frontend components, reactive and asynchronous logic, and API data layers using ReactJS, Redux, and NodeJS, and published feature updates for reusable components and utilities as internal NPM packages.
- Translated customer experience feedback and user needs from UX teams into full-stack designs and implementations.
- Developed backend for frontend layer using NodeJS and GraphQL, and developed DB interface layers using NodeJS and MongoDB

Frontend Software Engineer Intern

May 2021 - Aug 2021

Excelar Technologies

Vancouver, Canada

- Spearheaded frontend development and implemented responsive features, API service layer, and ad-hoc bug fixes for a ground-up mobile PWA product.
- Developed reusable UI features including mobile layouts, infinite scrolling, and data filtering components translated from Figma and InVision designs using TypeScript, React, and SASS.
- Implemented state management and asynchronous side-effect handling with NodeJS, Redux and Redux-saga.

Software Developer (Part-time)

May 2020 - Jan 2021

Lead Software Developer (Part-time)

Jan 2021 - Dec 2021

UBC Visual Cognition Lab

Vancouver, Canada

- Owned an entire project from inception to delivery, and managed an interdisciplinary team of Software Developers, UI/UX designers, and cognition researchers.
- Led full-stack development efforts, orchestrated high-level designs and architecture, conducted engineering interviews, and reviewed code for all developers on the team using TypeScript, ReactJS, NodeJS, and MongoDB.
- Implemented JWT user authentication system, including NoSQL user data models, registration, and authentication API endpoints with NodeJS and MongoDB.
- Implemented codebase refactors, endpoints, frontend features, and dynamic experiment generation algorithms for experimentation web framework with JavaScript/NodeJS, paving the way for the team's first cloud deployment of the framework.

PROJECT EXPERIENCE

Sentinel - Bike Alarm

Sept 2022 - Apr 2023

- Orchestrated full-stack software architecture design and implementation, and developed a responsive event-driven backend with SMS, Websocket, and MQTT communication using NestJS and AWS SNS, in addition to user registration and authentication.
- Developed mobile app design with Figma and implemented mobile app using React Native and Expo.