SOPHIA KIM

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PROFILE

- Proactive with a growth mindset, a curious attitude towards problem solving, and passionate about software
- Effective communicator and reliable team player with cross functional teams and stakeholders
- Experience and knowledge in CI/CD tools, software design principles, mobile and web development
- Familiarity with collaboration tools such as Git and JIRA, as well as Agile methodologies and scrum processes

TECHNICAL SKILLS

Languages: Java, TypeScript, JavaScript, Kotlin, Python, Bash
Tools / Environments: Unix, Node.js, Ansible, GitHub Actions, Jenkins, Git, Vite, Maven
Libraries / Frameworks: React, Spring Boot, JUnit, Mockito, Robolectric, Mocha, Chai

PROFESSIONAL EXPERIENCE

Full Stack Developer Co-op   Sept 2022 – May 2023
CGI   *Vancouver, BC*
- Specialized in writing Ansible playbooks, executing tasks as a privileged user, cleaning up files, updating version control folders, and deploying scripts on Unix
- Utilized Jenkins to integrate Ansible scripts into CI/CD pipelines and automating deployments
- Analyzed code base of a web application, leveraging SQL to trace workflow from UI to database, identifying areas of improvement, developing features using Java, testing features using JUnit and Mockito
- Maintained test harness for Spring Boot applications using JUnit and Mockito, resolving any defects identified

Research and Health Coordinator   Nov 2018 – July 2021
Canada's National Ballet School   *Toronto, ON*
- Coordinated the Sharing Dance Older Adults program across Ontario, finishing the pilot with a 79% retention rate
- Conducted research with Baycrest to inform program development, exceeding target research participants by 172% and contributing to 2 publications

PROJECTS

Receipt Reader Android Mobile App   May 2024 – Present
Personal Project   *Vancouver, BC*
- Building PockExpense, a mobile app that reads and compiles receipts to streamline reimbursement processes
- Leveraging Kotlin and Android API frameworks to build the end-to-end product workflow, Google ML Kit Text Recognition API to parse and store receipt data, and JUnit, Robolectric, and Mockito to test the features
- Implementing a CI/CD pipeline using GitHub Actions to automate application testing and build processes
- Integrating Figma designs using Jetpack Compose and XML, collaborating with UX Designer to design the app
- Building the product from the ground up by identifying a real user problem, defining use cases based on user needs, and developing and testing features to deliver a seamless solution

Speech-to-Text App for Communication Assistance (Hackathon Top 5 Finalist)   Feb 18 – 20 2022
StormHacks 2022   *Vancouver, BC*
- Awarded: Top 5 Finalist, Most Creative Use of Twilio
- Built Hearo, a speech-to-text app to assist communication for people with hearing challenges
- Implemented the speech-to-text feature using React, JavaScript, and Node.js (Express) by integrating WebSockets

EDUCATION

University of British Columbia   Vancouver, BC
Bachelor of Computer Science (BCS)   *Sept 2021 – May 2024*

Western University   London, ON
Master of Public Health (MPH)   *Sept 2017 – Aug 2018*

University of Toronto   Toronto, ON
Bachelor of Arts – Health Studies Specialist, Sociology Major   *Sept 2013 – May 2017*