ESHAAN KUNCHUR

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Portfolio: https://eshaankunchur.netlify.app/ | Github: https://github.com/EshaanK8 | LinkedIn: https://www.linkedin.com/in/eshaankunchur/

EDUCATION

BASc. Software Engineering, University of Ottawa- 2020 (third year, expected 2024 graduation)
- Attained a GPA of 9.47/10 (A+)
- Dean's List Recipient (each semester)

Longfields Davidson Heights Secondary School, Ottawa — 2014-2020
- Silver Medalist for academic performance (90%+ every year)
- Recipient of the academic and athletic excellence award

TECHNICAL PROFILE

Languages: Python, Java, JavaScript, Swift, HTML, CSS, Arduino
Frameworks: React.js, React Native, Next.js
Software Tools: Linux, QNX, Git, Xcode, Maven, Docker, JUnit, JFrog Artifactory, Firebase, Contentful, Jenkins
Project Management: Agile/Scrum, Azure DevOps, JIRA, Confluence

EXPERIENCE

Software Engineer Intern | Cisco - *Network/Embedded/Application Development*   **Incoming Fall 2022 | Ottawa, ON**

Software Engineer Intern | BlackBerry - *Vehicle Software Test Development*   **Winter 2022 | Ottawa, ON**
- Developed a synthetic sensor in C++ and Python to maximize the use of the IVY Intelligent Vehicle Data Platform's APIs for greater test coverage
- Engineered an internal tool to capture data packets being sent between running applications in QNX, enabling enhanced testing capabilities of IVY applications
- Designed and implemented tests to validate the full stack of the IVY product on auto-grade OS such as QNX and Linux, as well as hardware such as NXP IMX8 and QUALCOMM 8155
- Uncovered and resolved a major latent defect, preventing potential failures in IVY's error-logging system

Software Engineer Intern | Employment and Social Development Canada - *Application Development*   **Summer 2021 | Ottawa, ON**
- Conceptualized, implemented and deployed a CSV file validation system using Java, Maven and CrushFTP to remove all validation-related errors from data processing. Leveraged an API to handle file validation, and engineered the system to be applied branch-wide in a production-level environment.
- Deployed plugin code and environment configuration into DEV, INT, UAT, and PROD using Jenkins and JFrog Artifactory
- Improved upon an existing integration endpoint-testing mechanism by automating the process using Java's Jsch library
- Built JUnit tests for Java plugin code within the IntelliJ testing environment, and performed integration testing for CrushFTP pipelines

PROJECTS

Forgetful | iOS Mobile App (Github)
- Built an app using Swift and SQLite that leverages Apple's MapKit API to help users plan for their destination
- Implemented a complex, yet intuitive map UI to display points of interest and the user's location through the use of SwiftUI
- Centralized the app around the composable architecture to better handle state management and composition
- Curated a system that provides intelligent item suggestions based on the category of the location

Shelf Life | Android/iOS Mobile App (Google Play Store)
- Designed and developed an app using React Native to help households track their groceries via UPC/EAN barcode scanning
- Integrated the OpenFoodFacts API to allow for users to access over 1 million products worldwide
- Leveraged Firebase authentication and Firestore Database to store user information
- Implemented core UI/UX design principles to ensure easy access for all users, on all devices

Form | React Web App (Website)
- Developed a fully functional bilingual workout-planning web app using Next.js and core JavaScript, JSX and React principles
- Allows for users to organize, time and discuss their workouts, all while navigating an easy-to-use UI

CERTIFICATIONS

- Harvard CS50's Mobile App Development with React Native. Encompassed React, React Native, State Management, React Hooks, Redux, JavaScript ES6+ features (async/await, promises, arrow functions), and more
- iOS & Swift - The Complete iOS App Development Bootcamp - Udemy course by Angela Yu