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Technical Skills

- **Languages:** Java, Swift, Objective C, Kotlin , XML, Python, C, HTML/CSS, PHP, JSON.
- **Tools:** GIT, CI/CD, JIRA, Junit, Mockito, Espresso, Roboelectric, Cucumber (BDD),Green Coffee (BDD) testing, AWS, Jenkins, Dagger 2, Retrofit, Google Maps API, Jetpack(Android).
- **Software:** Android SDK, XCode, NetBeans, Eclipse, Visual Studio, SOAP UI, Postman, TeraData, AirWatch (Deployment), Conexus AGM.
- **Databases:** SQL, SQLite.
- Agile development, Extreme Programming, MVC, MVVM, Behavior Driven Development, Test Driven Development and Automated Testing, RxJava, Singleton, SDLC.

Work Experience

Software Engineer 2/Full Stack Dev **Innovative Software Engineering (Trimble)** **January 2019 – December 2019**

- Designed the Automated Testing Infrastructure for "LASER", an android application for Southeastern Freight Lines (SEFL) using tools/frameworks like Dagger 2 (Dependency Injection), Junit, Mockito, Green Coffee, Cucumber, Espresso, Roboelectric, etc.
- Setup a Gitlab repository with CI/CD in place for continuous integration and continuous deployment.
- Took initiatives in absence of product owner to answer any questions from developers regarding the system and interacted with the clients (SEFL).
- Acted as a scrum master in the absence of the designated scrum master and was the first point of contact for the "Spime Team" (India based development team).
- As a developer and a peer, I respect the ideas of clean code and uphold the principles of automated testing.
- Introduced MVVM structure as a solution to the team with an incentive to achieve highest code coverage.

Associate Programmer Analyst **FedEx Services** **June 2018 - January 2019**

- Restructured Onsite (Android app) to be more compatible to TDD going forward, involving converting the MVP to MVVM structure.
- Solved a major production defect during season code freeze without a code change.
- Started iOS app development with developing major features in Fastlane (iOS internal application), Used Auto Layout throughout the development process.
- Lead the deployment efforts of Fastlane along with Device Enrollment Program (DEP) to 1400 new and old FedEx and client locations.
- Lead the POC efforts in evaluating "Cordova" as a potential framework to retire Fastlane as a Retail Transformation movement at FedEx.
- Lead the POC efforts to mock some layouts for FedEx's new self-service kiosk (iOS application), extensively used Auto Layout while developing this project.

IT Intern **FedEx Services** **June - August 2017**

- Acted as scrum master and developer in the IT Intern team during the 10-week internship. The team created 2 android applications that interacted with FedEx Ship & Get and FedEx Dropbox using BLE beacons and Bluetooth dongles.
- The applications made pickup and delivery at the locations 50% faster and 100% accurate. 16 out of 16 FedEx team members that used the application, said they preferred to use the application developed than the current methods.
- The developed application involved scanning, Bluetooth interaction, beacons, and Geofencing.
- Won the "FedEx Director's Choice Award" in the final round of the Internship.

Supplemental Instructor **UTSI** **August 2016 – May 2017**

- Facilitated learning in the laboratory environment for 22 students. Inspected and scored weekly programming assignments. Developed presentations to review programming skills and principles for students.

Education

University of Texas at Arlington **August 2013 - May 2018**
B.S in Computer Science (Summa Cum Laude) G.P.A. 3.93/4.0

Carleton University (OCICS)
Master of Computer Science
(Current Student)

Selected Works

- **Receipt/Label reader** (2018): As part of the iOS app development learning process, developed an application that used the "Tesseract" library to perform Optical Character Recognition (OCR) on receipts and labels. If for some reason the receipt/label could not be parsed for characters, the application tried to various types of barcodes and QR codes, if any were present on the receipt to retrieve relevant information. Application used, Tesseract and AVFoundation libraries to achieve this task.
- **VCare** (2018)**:** Developed android app as part of Senior design project to help people who have autism and their families. Developed backend server with SQL database as part of the project.
- **Spot and Park** (2016): Used "Raspberry-pi" with a camera to take real-time images of parking lots and use image processing to detect vacant parking spaces and send the data to a remote database from which an android application could fetch and display it as part of the map of the parking lot. Project used, Android Studio, Amazon Web Service, Bitnami, MySQL and JSON.
- **HelpMeMove** (2016)**:** Hybrid website that would allow people owning appropriate vehicles to offer paid pickups, along with buying and selling functionalities.
- **Online advisor plus** (2016): Advising android app for students at UTA, algorithm that helps determines the best combination of courses that can be taken in semester, calculates GPA, saves notes, and helps to determine approximate graduating semester.