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Enthusiastic solution architect and technical lead with more than 12-year experience in architecture design, mobile development, agile practice, cloud middleware/software development and mobile product operations, including 2 years in leadership roles. Area of core competency includes:

- * Leading & Coaching
- * Problem Solving
- * Quantitative Reasoning
- * App Architecture Design
- * Process Automation
- * Fast Learning
- * Project/Resource Management
- * Team Building

Technical Knowledge and Skills

Languages: Swift, Objective-C, Kotlin, Java, Python, JavaScript, HTML, CSS
Databases: ORACLE, MySQL, MSSQL, SQLite
Analytics: Google Analytics, CrazyEgg, AppSee, EventLogging (In House)
CI/CD: GitHub, SVN, Jenkins, Gradle, Maven, HockeyApp/AppCenter, ADO, Slack, Jira, Confluence
Agile: Jira, Confluence, VersionOne
Others: UIKit, SwiftUI, Combine, Ionic, Tensorflow Lite, Firebase, AWS

Employment Experience

Sr iOS Engineer (Contract): [TD Canada Trust](#)

Jun 2024 – Jun 2025

Created 2 new Cocoa pod development modules (feature and core) on TD's **modular** architecture banking app project for new coming business feature with **SwiftUI**, working with internal Mobile Design System team to introduce a new premium theme for the app. Mentor and review the other iOS team member of the feature pod, helping PO to understand technical part of the requirement and dependency planning, and participate in mobile release train activities, since November I have been acting as iOS tech lead in the feature pod(team).

Mobile Solution Architect: [500px.com](#)

Apr 2022 – Jun 2024

Design/explore company next generation mobile solution, providing architecture design guidance and training for mobile team, helping PO and leadership team to create company mobile strategy, testing on device machine learning model inference to explore operation cost saving and new mobile product features.

Key Contributions:

- * Design/lead Upload, Content Feed features of the app (**SwiftUI & Combine**).
- * Build/test aesthetic ML model inference photo score PoC (**Tensorflow Lite**).
- * Implement Webview JavaScript context API for Messenger feature (Embedded **Webview**).
- * Design/Implement Apple tvOS photo viewing solutions version 2.0 (contract PoC on **tvOS** with **UIKit**).

Mobile Team Lead: [ADESA Openlane](#)

Apr 2017 – Apr 2022

Leading a three-member mobile engineering team that constantly delivers products and business values based on business needs and priorities, reviewing business requirements, helping PO converting requirements into stories, identifying dependencies/risks, collaborating between POs, BOs, leadership and scrum team, mentoring and motivating team members on technical directions, career planning. Continuously evaluating and monitoring release and production operation, taking initiative steps, creating innovative solutions, and following SOX compliance.

Key Contributions:

- * Transitioned team into lean and agile scrum team, flexible to suit the release train needs.
- * Delivered two new white label apps on budget and timing, maintained multiple minor version upgrades of Buyer Apps and Turn-In Apps (**UIKit white label**).
- * Designed, built and improved mobile team CI/CD pipeline (**Jenkins**).

- * Push notification PoC led to ADESA push notification service product.
- * Designed and built an integrated web/native hybrid white label mobile app solution (**WKWebview**).

Software Solution Architect / Mobile: [ADESA Openlane](#)

Oct 2014 - Apr 2017

Designed and implemented major features of Buyer App (ADESA Marketplace) and Turn-In apps for both iOS and Android, created mobile team coding guidelines and app architecture, coordinated with company's architecture team to establish app/RESTful service structure. Worked with LES service team to co-design the style to enhance features of Turn-In App, including iPad only version. Demonstrated leadership to broader teams on Ally Project.

Key Contributions:

- * Designed support libraries (Version control, Logging) integrated with all the apps the mobile team has.
- * Standardized coding style guideline for the mobile team.
- * Proposed and implemented Buyer App Apple Watch solution and design.

Sr. Software Engineer: [ADESA Openlane](#)

Mar 2012 - Oct 2014

Created GMF private label BI (Buyer Interface) site as the first project based on NGPL product and became the largest PL volume contributor since then. Took over SOLR based search platform of the company ecommerce site, enhanced multiple valuable features (distance search, Auto-Grade) become one of most searchable criteria based on GA tracking. Joined STDPL (Standard PL Tool) team as one of key engineers of BI, STDPL (current call OLIQ) became the go to tool of the Business team for creating new private labels.

Key Contributions:

- * Modularized front-end Searcher function into library for easy understanding, maintaining, and extending.
- * Mentored two juniors to become SME (Subject Matter Expert) of Searcher and Buyer Interface.

PC Technician: [ALC Micro](#)

Sep 2011 – Mar 2012

Status inspection, clean and repair LCD/LED monitor, Desktop, Laptop, and All-in-One computers.

Technical Manager: [Sinsoft Technology Group Ltd](#)

Sep 2003 - Sep 2006

Lead and directed a six-member team focusing on new business field initiative projects that the company wanted to step into, also responsible for Microsoft's latest technology follow up and competitor's product analysis.

Software Developer: [Sinsoft Technology Group Ltd](#)

Mar 2001 - Sep 2003

In a fast-paced team environment, developed new web applications, troubleshoot, and improved existing projects, readily took on new projects and gained a reputation for designing clean, fast, elegant solutions to diverse technical challenges that often-required on-the-job learning. Designing automatic/manual integration workflow platform, file/document process system, and electrical signature integrating process.

Education

Nanjing Artillery Academy

Sep 1998 - Jul 2001

Certification

Scaled Agile SAFe® 4 Practitioner

Scaled Agile SAFe® 4.5 Leading Agilist

Interests

Hiking, Photography