

Chathura Palihakkara

Availability: Immediate
Visa: Open Work Permit 03/2027



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OBJECTIVE



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Toronto, ON, Canada

I am actively seeking employment as a Sr/Mid software engineer, or Sr/Mid Mobile Application developer on a full-time basis. Located in proximity to Toronto, Ontario, I am open to relocation. I possess an open work visa without restrictions until 03/2027 (3 years).

PERSONAL STATEMENT

As a lead Mobile application developer, I've mastered **Swift, SwiftUI** and **Objective-C** in **mobile application design & development**, contributing to enterprise and government projects within an **Agile (Scrum)** development framework for the **past 10+ years**. I also experienced in **Java, Python, Google Cloud, AWS** development. Possess an **MSc in Computational Science** (Machine Learning, Data Mining, AI, and Cyber Security) and a **BSc in Computer Science** with honors. I'm **experienced in managing** every aspect of the **iOS app development and distribution process and Mobile QA automations**. I have demonstrated leadership and initiative in a variety of group activities and collaborative endeavors, exhibiting a **results-oriented mentality, a winning attitude**, and a dedication to building unity as one team, in pursuit of opportunities for learn and grow.

TECHNOLOGY STACK

Swift 5.5, XCode,	SwiftUI, Combine, RxSwift	GIT, Git Sub modules, Gitlab,	Jenkins CICD, Fastlane
Objective C, Python	XC Test, Unit tests, Appium	Core data, SQLite, My SQL	Appium Test Automation,
MVC, MVVM, VIPER	APN (Push Notifications)	JIRA, Kanban, Confluence	Calabash, Selenium
RESTful API, SOAP API	Google cloud, AWS	Blackberry dynamic MDM	Cucumber, Gherkin
React-Native, Radix	Cocoapods, UI Kit, WebKit	WKWebView, Websockets	Agile Scrum Prince 2
Java Scripts, Bash	Firebase, Test Flight	C#, Ruby, Node, Micro C	Microsoft 365, MATLAB
OWASP Vulnerability	Map Kit, Alamofire, OAuth 2	Human-Computer Interaction	XCode instrumentation

EDUCATION



Master's degree in computational sciences at Laurentian University (2022 – 2024) GPA (9.1/10)
Developed **ML** projects and **Google Cloud** Project with **Python** and **MATLAB**.



Bachelor's degree in computer science at Colombo University (2006 – 2010) GPA (3.25/4)

PROFESSIONAL EXPERIENCE

Lead Mobile Developer / Senior Solution Analyst **Lenovo PCCW Solutions** (12/2018 - 12/2022)

30+ Public releases to Apple AppStore

App: A convenient platform that allows users to make improvements to your neighbourhood, access information, receive alerts, and engage one another. And use many governmental microservices, including event booking, parking, and payments (227K users).

Domain: Public relations

Client: The Ministry of National Development (Government Services).

Appstore Link: <https://apps.apple.com/sg/app/oneservice/id947274394>, <https://www.smartnation.gov.sg/initiatives/urban-living/oneservice-app/>

Tools: Swift 5.5, SwiftUI, Combine (POC). Objective C, REST APIs, GCD, Swift Concurrency, RxSwift, GIT, Git Sub modules, Appdome Security, OAuth2 (Social media login), **Appium Test Automation**, TestFlight, Firebase libraries analytics and messaging, JIRA, Government Private Cloud (GPC), Location-based, Agile Scrum Prince 2, Jenkins CICD, MVVM, Clean Architecture, SOLID principles, Dependency injection, Push Notifications.

Duties and Responsibilities:

- Led the conceptualization and design of new application features, aimed at driving revenue generation and enhancing user experience.
- Attended daily Agile meetings with cross-functional teams in a multicultural setting to ensure efficient collaboration and timely project delivery.

- Conducted thorough feasibility assessments and provided actionable feedback to optimize feature design, proof of concepts (POCs), and task estimates for enhanced return on investment.
- Managed critical incidents beyond standard procedures, ensuring the stability of vendor services and minimizing disruptions to business operations.
- Mentored junior team members, delegated tasks, and conducted comprehensive code reviews to uphold coding standards and improve team performance with engineering best practices.
- Facilitated knowledge transfer sessions and created technical documentation to support seamless project execution and knowledge sharing.
- Proactively engaged with project stakeholders to refine designs and deliver solutions aligned with business objectives and customer needs.
- Maintained and enhanced the Swift codebase, focusing on code quality, scalability, and performance.
- Developed user interfaces with precision using UI kit, auto-layout constraints to optimize user experience.
- Conducted OWASP security analyses and implemented fixes to mitigate cybersecurity vulnerabilities.
- Executed functional testing and user acceptance testing to ensure product functionality and reliability.
- Drove product excellence through participation in Appium QA automation tests, improving testing efficiency and accelerating time-to-market.
- Coordinated beta test deployments using Firebase and TestFlight to ensure product quality.
- Oversaw production App Store deployments, promptly resolving production issues within SLA constraints to maintain service continuity and optimize revenue streams.
- Eager to learn, understand, adopt and work quickly with new emerging technologies.

Project Lead / Module Lead at NCS PVT Ltd (09/2017 – 12/ 2018)

App: An app for foreign construction workers to report infringements in their dormitory issues and track progress via the ministry of manpower. Use government hosted rest API microservices.

Domain: Public relations

Client: The Ministry of Manpower.

Appstore Link: <https://apps.apple.com/sg/app/oneservice/id947274394> <https://www.youtube.com/watch?v=ROX874h4TxM>

Tools: React-Native, Redux, Flex, Swift, Android, Git, Fastlane, C# REST backend services, Java Scripts, JSX, MVVM Architecture.

Duties and Responsibilities:

- Finalized features/changes client meetings and managed timelines to optimize project profitability.
- Collaborated closely with designers and product managers to ensure alignment with business objectives.
- Executed task assignment, development, integration, and testing, optimizing project efficiency.
- Navigated (SIT, UAT) with the client, tracked issue progress, and prepared comprehensive technical documentation to ensure smooth project execution and delivery.
- Arranged and conducted biweekly meetings between stakeholder clients to facilitate effective communication and ensure project success.
- Developed code using React-Native, Swift, UI Kit, and unit tests, improve performance.
- Conducted beta test deployments via Firebase/TestFlight and organized tester groups to gather valuable feedback and refine product features for optimal performance and profitability.
- Executed Appstore deployments, ensuring seamless releases and maximizing revenue opportunities.
- Experienced in building, architecting, designing, and implementing highly distributed multi-region cloud-based systems

Senior Software Engineer at CITI Bank - AIA PVT Ltd (10/2015 – 09/ 2017)

App: An app for insurance/banking agents to issue/update insurance policies via iPad (business transformation to paperless).

Domain: Insurance/ Banking (Enterprise)

Client: AIA Insurance Agents and Citi-bank Agents.

Tools: Swift 2, RxSwift, Objective C, SVN, GIT, C#, REST/SOAP backend services, **Appium automated tests**, WebSockets, Camera (Photo/Video), Audio, File Management, Mobile Device Management.

Duties and Responsibilities:

- Tackled unexpected situations with vendors to sustain critical application services.
- Analysed new features, change requirements, and updated the Software Requirements Specification.
- Developed features and changes, conducted code reviews, convert from Objective-C to Swift and UI Kit.
- Implemented unit, SIT, and UAT testing and managed enterprise in-house deployments.
- Integrated inter-app communication via the BlackBerry security framework.
- Conducted production bug/issue debugging and fix. Also provided on-site client support.
- Lead and collaborate with a third-party team and implement Appium mobile test automation for the app.
- Configure and adopt CI/CD principles and best-practices.
- Understanding of DevOps and/or SRE practices

Software Engineer at Sysco Labs PVT Ltd (02/2013 – 09/ 2015)

App: An App for online menu browsing, ordering, and making reservations over the Sysco restaurant grid. And a point-of-sale app for restaurant staff.

Domain: Restaurant / Online ordering. **Client:** Restaurants operators in Sysco chain USA

Tools: Swift, Objective C, Core data, Couch Lite DB, Java script, Ruby, SVN, GIT, C#, REST backend services, **Appium, Calabash automation testing**, MVC, MVVM, VIPER.

Duties and Responsibilities:

- Implemented new features and changes using Objective-C to Swift, Cocoa touch, and UI Kit
- Developed a QA automation test suite that saved a significant amount of QA time for the organization.
- Implemented a Calabash automated test suite with Jenkins continuous integration and bring down total manual QA effort from 4 days.
- Developed an automated Clang analysis report generation for overnight CICD mobile app builds.
- Analysed requirements and developed new features with unit tests and automation tests.
- Supported SIT/UAT testing, bug fixes, and deployments.
- Researched new frameworks and third-party libraries per project needs.
- Researched on improving Tesseract OCR by pre-processing to digitalize restaurant menus from images.

Software Engineer at Nindev Asia PVT Ltd (06/2011 – 02/ 2013)

App: A customizable social media app for preschool parents and teachers to interact.

And an app for menu browsing and ordering for coffee shops. (Swedish Restaurants)

Domain: Education / social media / Restaurant / Online ordering. **Client:** Swedish Gov preschool parents and teachers,

Tools: Objective C, Core data, SQ Lite, UIKit, Cocoa, PHP, SVN, REST back end services.

Duties and Responsibilities:

- Developed new features and change requests with Objective-C and unit tests.
- Supported SIT/UAT testing, bug fixes, and production deployments.
- Communicated with Swedish clients for requirement clarifications.
- Researched and developed Mobile application Libraries.
- Object oriented designing and end to end app development.
- Requirement analysis and provide technical and usability reports.