

Abraham Jeyaraj

Engineering executive · mobile & digital platform leader

Senior engineering leader with **20+ years** building and scaling mobile platforms that serve tens of millions of users. Led the Walgreens mobile app from launch to **60M+ downloads** and built the Day-1 Apple Pay app integration. Built and managed a **90-person engineering organization** spanning architects, developers, PMs, QA, and designers. Most recently drove enterprise digital architecture at CVS Health (Fortune 4). Now integrating AI capabilities into mobile and digital platforms. U.S. Patent holder.

<p>60M+ Lifetime downloads · Walgreens iOS</p>	<p>\$5B+ Mobile commerce shipped</p>
<p>90 Person engineering org led</p>	<p>25y iOS · Web · AI · architecture</p>

01 Professional *experience*

AI Developer & Technology Consultant

2025 - Present

SELF EMPLOYED

- Building AI-powered applications and consulting on intelligent workflow automation for enterprise clients
- Developing mobile + AI convergence solutions leveraging computer vision, NLP, and machine learning
- Architecting agentic AI systems for automated business process optimization

Lead Director, Digital Architecture (Mobile)

2021 - 2025

CVS HEALTH

- Led mobile digital architecture strategy for one of America's largest healthcare companies
- Established enterprise mobile development standards and architectural governance across the organization
- Served on strategic decision-making working groups driving digital transformation initiatives
- Directed cross-functional teams in delivering consumer-facing mobile health and pharmacy solutions
- Drove adoption of modern development practices and platform consolidation across mobile teams

◆ RECOGNITION

- ◆ SXSW Appy Award – Best Retail Mobile App (Walgreens)
- ◆ Apple Top 100 Apps listing
- ◆ Day-1 Apple Pay launch partner – Oct 2014
- ◆ Featured in Apple's Apple Watch launch materials

◆ PATENT

Systems and methods for uploading image files

United States Patent.

US 10,474,400

◆ EDUCATION

Bachelor of Business Administration (BBA) – Business Administration and Management

Madurai Kamaraj University

1996 - 1999

◆ SKILLS & STACK

LEADERSHIP

90+ org · platform strategy · enterprise architecture · digital transformation · CI/CD at scale · Agile

MOBILE

iOS (Swift, SwiftUI) · Android (Kotlin) · React Native · cross-platform

WEB & CLOUD

React · Node · TypeScript · AWS · Azure · Docker · Fastlane · GH Actions

AI / ML

Python · TensorFlow · OpenAI APIs · LangChain · computer vision · NLP

ARCHITECTURE

Microservices · REST · GraphQL · MVVM · clean architecture · design systems

Associate Vice President, Engineering

2007 - 2021

PHOTON

- Led the Walgreens iOS app from initial launch to 60M+ lifetime downloads and 5-star rating, managing one of the highest-revenue mobile commerce platforms in retail
- Built and led a 90-person cross-functional engineering organization spanning architects, tech leads, developers, product managers, QA engineers, and designers across onsite and offshore locations
- Apple Pay Pioneer: Built the Day-1 Apple Pay app integration for Walgreens – an industry first in retail
- Managed 200+ releases across iOS, Android, Web, Blackberry, and Windows with zero critical escalations over 6 years
- Reduced tech debt from 300+ days to under 5 days; implemented 2-thumb code review process and secure coding practices
- Designed and implemented CI/CD pipeline for mobile delivery across all platforms
- Pioneered medication adherence features on Apple Watch, expanding the platform's health technology footprint
- Also delivered mobile solutions for Dick's Sporting Goods, EF Education First, and Boots UK

Senior Technical Lead / Frontend Architect

2000 - 2007

EARLIER CAREER

- Progressed through technical lead and architect roles specializing in frontend and mobile development
- Built 100+ websites and web applications for enterprise clients across healthcare, education, and retail
- Specialized in frontend architecture at EF Education First, supporting 80+ language platforms
- Founded web hosting business and digital agency during the dotcom era

02 Selected *projects*

Walgreens Mobile App

\$5B+ MOBILE COMMERCE PLATFORM | 60M+ DOWNLOADS | 2010-2020

- Led architecture and development from initial launch to one of the highest-grossing retail apps
- Built Day-1 Apple Pay app integration – an industry first in retail
- Pioneered Refill by Scan barcode technology, becoming the dominant refill method
- Won "Best Retail Mobile App" Appy Award at SXSW; named in Apple's Top 100 Apps
- Launched Apple Watch medication adherence app and first retailer NFC loyalty integration

DSG Whitelabel Solution

MULTI-BRAND MOBILE ARCHITECTURE | DICK'S SPORTING GOODS & GOLF GALAXY | 2020-2021

- Architected white-label mobile solution powering multiple brand apps from a single codebase
- Deployed Store Mode across 780+ locations with geolocation-powered in-store experiences
- Built modular framework with features as independent modules (Shop, Move, Account)
- Supported DSG's digital transformation contributing to 12.5M new customers