

Nirmit Patel

Technical Architect, iOS App Developer

☎ +1 (856) 669-8635 ✉ nirmit.patel@icloud.com

AI/ML Engineer and iOS Architect with 14+ years of experience building consumer and enterprise applications across retail, banking, payments, hospitality, and IoT. Focused on developing intelligent applications using LLMs, RAG, PyTorch, TensorFlow, and Core ML, while leveraging deep expertise in Swift, mobile architecture, and secure product engineering.

EXPERIENCE

- **Senior iOS Dev Contractor at Costco**
Employer: Logisoft Tech INC
From July 2023 to Present
- **Senior Software Engineer in Agoda**
From Jan 2022 to June 2023
- **Assistant Vice President in DBS Bank(Assistant Manager)**
From Feb 2019 to Jan 2022
- **Technical Architect (Mobility) in Aurus Inc**
From April 2018 to Feb 2019
- **Founder and Technical Architect in NNInfosoft**
From July 2016 to April 2018
- **Product Manager in DigiValet(Paragon Business Solutions LTD.)**
From Oct 2008 to July 2016

KEY APPLICATIONS

Below are the key applications in my professional experience. Details of all application on which i have worked can be found on <http://nirmitpatel.in/projects.html>.

- **Costco Wholesale**
 - Built a Retrieval-Augmented Generation (RAG) chatbot prototype for Costco using Genkit, integrating vector-based retrieval over company-specific product data to generate grounded, context-aware answers for retail search, product discovery, and customer support use cases.
 - Led implementation of passkey-based authentication for the Costco iOS app using FIDO standards with Nok Nok and Azure AD B2C / MSAL integration, strengthening account security, reducing friction in sign-in and registration flows, and modernizing the authentication experience for both new and existing users.

PERSONAL INFO

Website:
www.nirmitpatel.in

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Github url:
<https://github.com/nirmit789>

Blog:
<https://nirmitpatel.in/blog>

Date of Birth:
20 June 1986

Address:
Current:
2100 N Line St. Apt Q 303,
Lansdale, PA 19446, USA

Permanent:
2100 N Line St. Apt Q 303,
Lansdale, PA 19446, USA

SKILLS

Technical Architect-Mobility
★★★★★

Generative AI & On-Device ML
★★★★★

LANGUAGES

Mobile Development
★★★★★

PyTorch
★★★★★

Gemini API & Firebase GenKit
★★★★★

Core ML & On-Device AI
★★★★★

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KEY APPLICATIONS (CONTINUED..)

- **Agoda (Travel booking app, subsidiary of Bookings Holdings & sister concern of Kayak & Rocket Travel)**
 - **Implemented the “Limited Time Deals” feature**, which filters and displays expiring deals in a home page carousel, driving a **10% increase in bookings** by encouraging users to take advantage of limited-time offers.
 - **Revamped the Deals Page** by adopting a **composable architecture**, restructuring the existing module for improved scalability and modularity. This not only enhanced UI/UX and resulted in a **30% increase in user engagement**, but also allowed for easier integration of new features, enabling rapid feature development and better code maintainability.
- **DigiBank (Internet Banking App for DBS Customers)**
 - Developed Internet Banking apps for customers in China and Taiwan.
 - Developed both iOS Apps in MFE architecture for better reusability. Using MFE Architecture makes features loosely coupled and are easier to maintain and manage.
 - Other than general features, i worked on complex feature like redirecting user to another application with same user session.
- **Aurus iOS SDK for Card Payments Processing:**
 - Designed and architected an SDK to securely read card data from swipe machines and send it for payment processing.
 - Integrated with multiple vendors like Verifone and Ingenico, ensuring compatibility with diverse hardware.
 - Used in stores of Ascena Retail Group (USA) and in the POS systems of KWI.
 - Built provisions for easy addition of new hardware and version support for existing vendors.
- **DigiValet & CasaDigi (Hospitality & Smart Home Systems):**
 - **DigiValet:** Developed iOS apps to control room amenities (AC, lights, locks) for luxury hotel guests, deployed in over 20 luxury properties, including Loews and Armani Hotel.
 - **CasaDigi:** Created a smart home solution enabling centralized control of home amenities and media systems, allowing seamless viewing across multiple TVs.
 - Played various roles (Module Lead, Team Lead, Technical Architect) over 8 years, continuously improving the architecture.
 - Integrated lighting control systems (ABB, Schneider) and hotel software like POS, billing, and CRM.
 - Improved communication efficiency and security by transitioning to TLS sockets, reducing polling, enhancing app performance, and improving user experience.

CERTIFICATIONS

RHCSA :

Certificate Number : 170-025-902

SCJP:

Java 2 Standard edition 5

DOMAINS

Banking, Payments, Hospitality,
IoT, Retail, Wholesale & E
commerce

ON-SITE EXPERIENCE

UAE(Dubai)

Hotel Armani, Address Hotel.

Sweden(Stockholm)

Assa Abloy

**USA(Columbus, San Francisco,
Austin)**

Ascena Retail Group, WWDC-2015,
HITECH .

VISA

USA H1B Visa

Valid till Sept 2027, Eligible for 1st
extension after that.