

PORTFOLIO



APICHATE YATRA

Senior Associate Software
Applications Development Engineer

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 [apichate-y](#)

 [Apichate Yatra](#)

PROFILE SUMMARY

Senior Software Engineer specializing in mobile application development and scalable backend systems. Skilled in Flutter, Kotlin, Swift, Dart, Java, and TypeScript. Experienced in designing and integrating RESTful APIs, state management (Riverpod, GetX), and CI/CD workflows. Proficient in FastAPI, ExpressJS, Spring Boot, and NestJS, leveraging SQLAlchemy and Prisma with MySQL and PostgreSQL to build high-performance and maintainable systems for freelance projects.

TECHNICAL SKILLS

- **Core Expertise:**
 - Flutter, NestJS, RESTful APIs, System Design, CI/CD, Observability
 - **Programming Languages:**
 - Dart, Kotlin, Swift, Java, JavaScript, TypeScript, Python
 - **Frontend & Mobile:**
 - Flutter, Next.js (Riverpod, GetX, Provider, Zustand, Redux)
 - **Backend Development:**
 - Spring Boot, FastAPI, NestJS, ExpressJS (JWT Authentication)
 - **Database & Storage:**
 - PostgreSQL, MySQL, SQLite, Firebase, Redis (SQLAlchemy, Prisma)
 - **DevOps & Cloud:**
 - Docker, GitHub Actions, GitLab CI/CD, AWS (EC2, S3, ECR), GCP
 - **Monitoring & Observability:**
 - Prometheus, Grafana, Loki
 - **Security:**
 - Data Encryption, Biometric Authentication, Jailbreak & Root Detection
 - **Other Integrations:**
 - Google Maps API, QR Code Payments, Smart Card Reader
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WORK EXPERIENCE

Senior Associate Software Applications Development Engineer,
NTT DATA (Thailand) Co., Ltd.

Nov 2025 - Present

- Developed and implemented RESTful APIs for new features of the SKL Smart Application using Java Spring Boot.
- Optimized the image upload process for the Promise Mobile Store Application, improving performance and reliability.
- Designed and developed a new service integration with LINE Official Account (LINE OA) to support webhook messaging for the Promise Mobile Application.
- Built CRUD APIs for a new web application, integrating with PostgreSQL, AWS S3, and Redis using Spring Boot 3.
- Designed and implemented CI/CD pipelines using GitLab Runner, Docker, and AWS ECR, deploying both frontend and backend services to EC2 instances.
- Implemented monitoring and observability solutions using Prometheus, Grafana, and Loki, enabling real-time tracking of container performance, system metrics, and centralized logging, improving system reliability and reducing incident resolution time.
- Optimized the report export service handling large datasets, improving data retrieval performance by ~20% and reducing CPU spikes on EC2 instances.

Freelance Software & Mobile Application Developer

Nov 2024 - Present

- Delivered end-to-end mobile and web application solutions for clients via Fastwork and direct contracts.
- Conducted requirement analysis and collaborated with clients to define project scope and technical solutions.
- Designed scalable system architecture and developed full-stack applications using Flutter and modern backend frameworks (FastAPI, Node.js).
- Built and integrated RESTful APIs and third-party services (payments, authentication, external APIs).
- Developed cross-platform mobile applications (iOS/Android) with Flutter, ensuring performance and responsive UI.
- Optimized application performance, improving responsiveness and user experience across multiple client projects.

DevOps Engineer, NTT DATA (Thailand) Co., Ltd.

Apr 2024 - Oct 2024

- **Support & Consultation**
 - Maintain and support deployed mobile applications, ensuring stability and performance.
 - Provide technical guidance and troubleshoot issues for team members.
- **Promise Mobile Store Application**
 - Developed, maintained, built, and deployed a document management app for loan approval.
 - Implemented automated upload queue, ensuring seamless batch processing.

Associate DevOps Engineer, NTT DATA (Thailand) Co., Ltd.

Oct 2021 - Apr 2024

- **Promise Mobile Store Application** (Internal Loan Document System for Promise)
 - Developed and maintained a document management app for loan approval.
 - Enabled secure ID and document uploads, with real-time sync across branches.
 - Enhanced image processing (auto-crop, resize, quality adjustment).
 - Integrated digital signatures for authentication.
 - Utilized riverpod, go_router, scanner, hive, and image for core functionalities.
- **Promise Mobile Application** (Publicly Available on iOS & Android)
 - Developed and maintained a financial loan application, enabling users to apply for loans, track balances, and manage payments.
 - Implemented biometric authentication (Face ID & Fingerprint) for secure app access.
 - Developed loan application tracking, balance summary, and real-time notifications.
 - Integrated QR Code payment for seamless bill payments via mobile banking.
 - Applied data encryption to enhance security and protect sensitive user information.
 - Integrated Google Maps API to display branch locations and navigation assistance.
 - Implemented push notifications to inform users of loan status updates, due payments, and promotions.
 - Developed security measures to detect Jailbroken (iOS) & Developer Mode (Android) devices, preventing unauthorized access.
 - Available on:
 - iOS: [Promise Thailand - App Store](#)
 - Android: [Promise Thailand - Play Store](#)

- **SKL Smart Application** (Leasing & Financing System for SKL)
 - Developed a leasing application for dealers to process financing requests seamlessly.
 - Integrated Smart Card Reader for ID verification and application processing.
 - Implemented an intuitive UI for calculating financing terms, installment plans, and promotions.
 - Enabled users to track financing applications and approvals on-demand whenever they check the application.
- **ASH Redmine Export** (Internal Web Tool for Honda Redmine)
 - Developed a web-based reporting tool for the back-office team at Honda Redmine.
 - Built using Vue.js, allowing users to filter and export issue tracking reports efficiently.
 - Improved workflow efficiency by streamlining report generation and data extraction.

Flutter Developer, Waylar Tech Co., Ltd.

Jul 2020 - Oct 2021

- Maintained and deployed a sales staff application to the App Store.
- Developed a technician management application with RESTful API integration.
- Built a state management prototype using BLoC and GetX.
- Created a check-in and user tracking system for internal company use.
- Developed a web-based user tracking application using React.
- Built a CRUD-based Kotlin application for internal usage.

Internship – Flutter Developer, Waylar Tech Co., Ltd.

Mar 2020 - Jun 2020

- Set up CI/CD for Flutter using Jenkins Pipeline.
- Developed a social login system with Firebase.
- Built multiple CRUD applications using Firestore and SQLite.
- Assisted in building a sales staff application with RESTful API integration.

EDUCATION

Suranaree University of Technology
Bachelor of Engineering in Computer Engineering

Nakhon Ratchasima, Thailand
Jul 2016 - Jun 2020

AWARDS & ACHIEVEMENTS

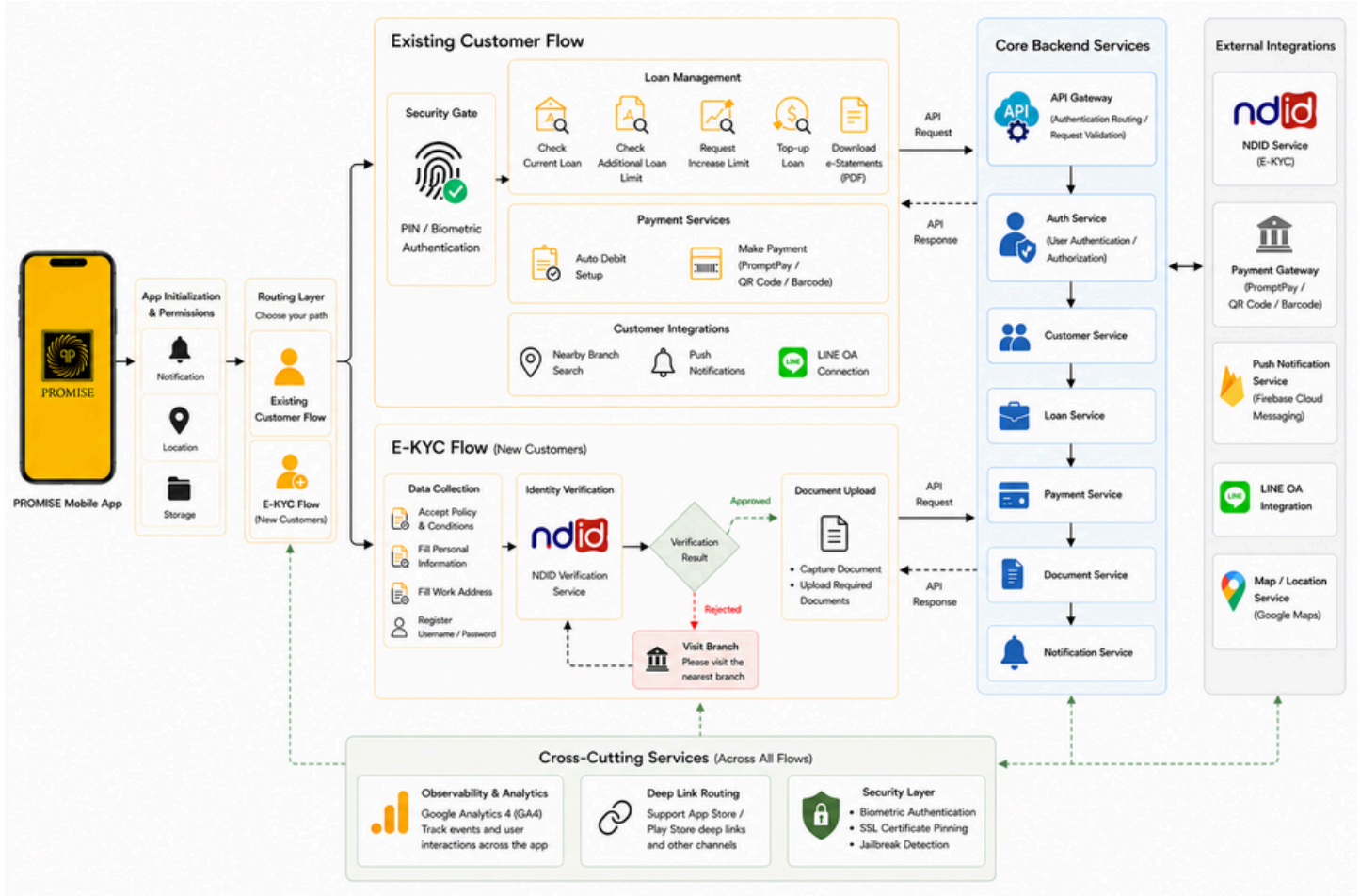
- **RTAF Cyber Operations Contest 2025 – Honorable Mention (Blue Team) (2025)**
 - Selected to participate in a cyber defense training program under the Royal Thai Air Force.
 - Represented the unit in a Blue Team cybersecurity competition, focusing on threat detection, incident response, and defensive strategies.
 - Achieved Honorable Mention in a cybersecurity competition organized by the Royal Thai Air Force.
 - **Outstanding Contribution Award - NTT DATA (Thailand) Co., Ltd. (2023)**
 - Recognized as the main Flutter developer for the PROMISE mobile application.
 - Provided support for application deployment and advised junior developers.
 - Contributed to team building, knowledge sharing, and issue resolution.
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HIGHLIGHT PROJECTS #1

Enterprise Financial Mobile Application

Project: PROMISE Mobile App

Role: Mobile Application Developer & Integration Engineer



Overview:

Enterprise-grade financial mobile application for digital loan processing, balance tracking, QR payments, and secure digital identity verification (NDID), built with strong security and seamless third-party integrations.

Tech Stack:

Flutter, GetX, Hive, Dio, Firebase Cloud Messaging, NDID Integration, LINE OA Webhook, Google Maps API

Technical Contributions:

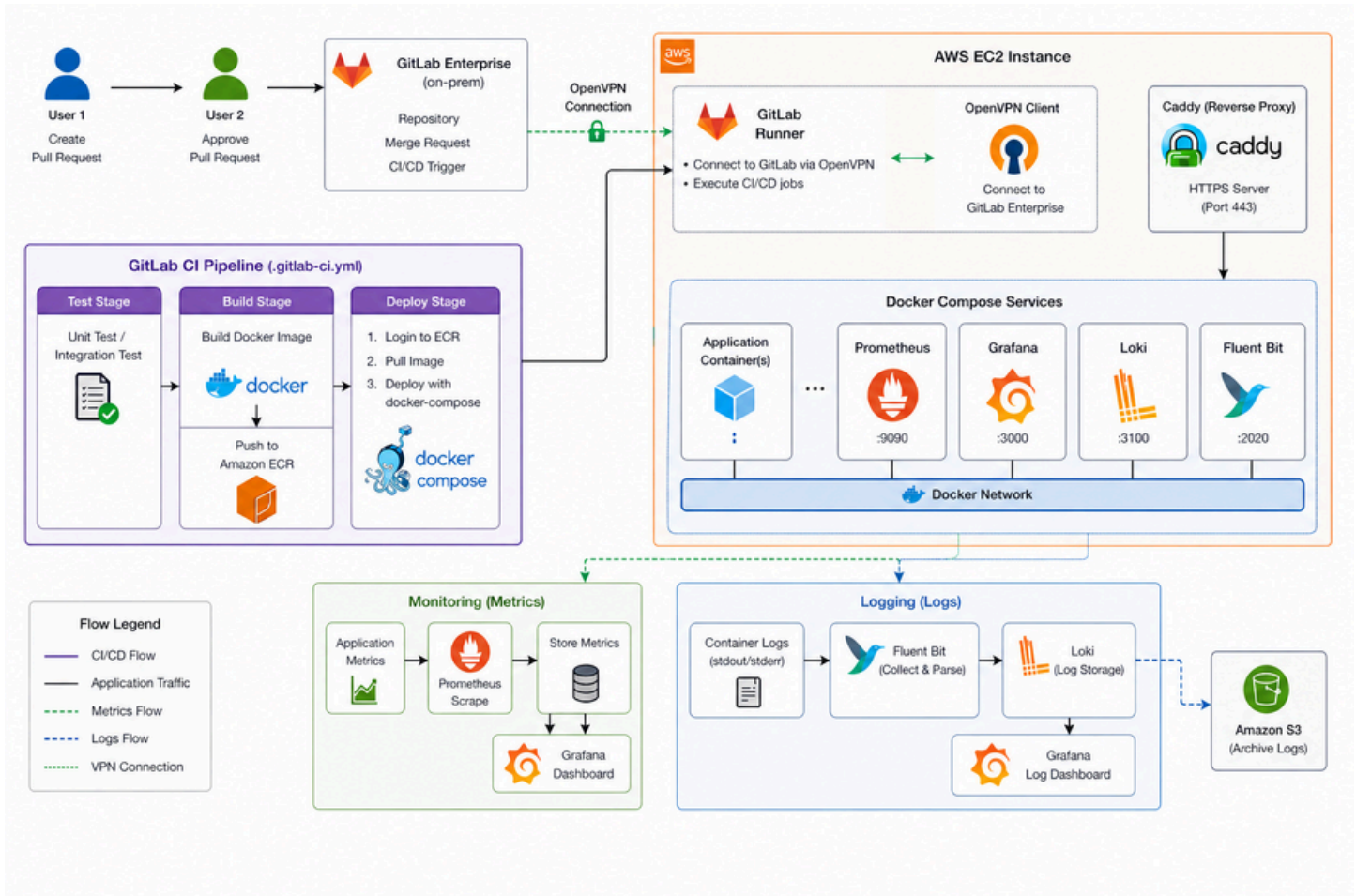
- Designed and developed the mobile application architecture with GetX state management and secure local storage.
- Implemented advanced mobile security including Biometric Authentication, SSL Pinning, RASP, and Jailbreak/Developer Mode detection.
- Integrated enterprise APIs and NDID verification workflows for secure digital identity validation.
- Developed document processing workflows with image capture, cropping, resizing, and optimization.
- Integrated QR payment systems, Firebase notifications, and LINE OA webhooks for real-time user communication.

HIGHLIGHT PROJECTS #2

Automated CI/CD & Cloud Infrastructure Monitoring

Project: Automated CI/CD & Cloud Infrastructure Monitoring

Role: DevOps & Infrastructure Implementer



Overview:

Enterprise-grade automated CI/CD pipeline and cloud infrastructure monitoring system designed to streamline software delivery, secure deployment workflows, and provide centralized observability for containers and application services.

Tech Stack:

AWS (EC2, ECR, S3), GitLab CI/CD, Docker, Caddy, OpenVPN, Prometheus, Grafana, Loki, Fluent Bit

Technical Contributions:

- Built an automated GitLab CI/CD pipeline covering build and deployment workflows with Docker and AWS ECR.
- Implemented secure GitLab Enterprise connectivity through OpenVPN for protected CI/CD execution.
- Orchestrated containerized application deployment using Docker Compose and HTTPS routing via Caddy reverse proxy.
- Implemented a centralized observability stack using Prometheus, Grafana, Loki, and Fluent Bit for real-time metrics and log monitoring.
- Configured Amazon S3 for secure long-term log archival and improved incident troubleshooting workflows.

HIGHLIGHT PROJECTS #3

Freelance End-to-End Application System

Project: Prapade & FishConnect Application

Role: Full-Stack Mobile Application Developer



Overview:

Delivered end-to-end business applications for real clients, covering requirement analysis, system design, mobile development, backend API implementation, database integration, and production deployment.

Tech Stack:

Flutter, GetX, FastAPI, NestJS, PostgreSQL, Firebase Firestore, RESTful APIs, Payment Integration, Reporting, Thermal Printing

Technical Contributions:

- Gathered and analyzed client requirements to design scalable business workflows.
- Designed end-to-end system architecture across mobile, backend, and database layers.
- Built mobile applications with scalable UI architecture and state management.
- Developed backend APIs, authentication systems, and CRUD business workflows.
- Integrated payment, notifications, file upload, reporting, and thermal printing services.
- Delivered production-ready applications and provided post-deployment support.