Rae-An Andres

486 River Valley, Singapore
+65 9485 4833 | raean.andres@gmail.com
LinkedIn: Rae-An Andres

Summary

An experienced software engineer based in Singapore with over 10 years of professional experience in leading high performing teams in mixed-financial domains like Commercial banking, Insurance, and Fintech. Adept in scalable and performant distributed systems. Strong skillsets in full-stack engineering. Core specialty in micro services and mobile development. Previous engineering experience in IT, manufacturing, and transportation industry. Excellent in communication skills, fostering team collaboration over working in silos. "We can do" attitude. End-to-end software delivery experience, trained from a cross-functional team.

Professional Experience

United Overseas Bank (UOB)
October 2022 – Present | Payroll under Optimum Solutions

Principal Consultant
- Leads the L3 Singapore engineering team for feature design and developments, enhancements and code governance. Ensuring each feature is compliant with the organization engineering standards. Identifies risk, opportunities and challenges.
- Engages multiple teams to understand and resolve any potential roadblocks ensuring smooth delivery process.
- Liaises with business stakeholders to help translate and rectify technical issues and business enhancement requests within the TMRW Singapore banking app.
- Involves in high-severity issue resolutions that needs critical decision making.
  - Implemented Idempotent transaction strategy in payments that solves duplicate transaction issue
  - Implemented vendor failover mechanism that solves vendor locking issue which results for the TMRW app to be more resilient.
- Facilitating production deployments, orchestrating multiple teams on the overall deployment and post-production process.
- Optimizing DevOps pipelines and elevated development practices.

Key highlights
- Building stakeholder rapport
- Engineering team governance
- Solved critical banking app issues
- Multiple team engagements

Manulife
September 2018 – September 2022

People Leader
- Leads the SEA mobile engineering team. Mentored high performing engineers, fostered their career growth through regular mentoring and performance evaluations.
- Proactively supports and guides the team members by attending project workshops, product roadmap.
- Established regular 1:1s to each team members current status, Direct report transparency feedback
- Leads the team for production deployments, decides the software changes scopes going to production.

- Established Brown bags and bi-monthly tech initiative meetings to help the team improve soft skills and professional presentation skills, encourage the team by staying curious and to sharpen their technical capacities.

Senior Software Engineer
- Leads the development of some highly used mobile apps in Manulife for South east Asia that eventually turns into a diamond-grade application.
  - DTK - Distribution toolkit
  - CMP - Customer Management Profile
  - Manulife MOVE - health app
- Successfully transitioned projects from internal MDM deployments to public distribution (Google PlayStore / Apple Appstore) - This saves the organization's OPEX by over 60% from the previous individual user billing to being publicly available.
- Collaborated with enterprise architect to design federated identity as it allows internal and existing users to simplify the app login process. This initiative increases 500k to 800k monthly active users.
- Successfully migrated project codebase from legacy Java to Kotlin and made it modular - Eventually opens the opportunity to enhance some features as it allows the engineers to access modern language toolsets.
- SME for mobile security across Manulife SEA organization (SG / HK / PH / TH / VN / ID)
- Implemented build automation routines using Jenkins and firebase.
- Manages micro services deployment cycles, reviews feature code, raising concerns for code quality and alignment with design and business features.

Key highlights
- People capability leadership
- Resource Management
- Software Engineering governance
- E2E software development experience
- Mobile SME
- Effective collaboration

MYNT (Globe Fintech Innovations, Inc.)
July 2017 – August 2018 | Payroll under Phil's Technology Inc

Senior Android Engineer
- Implemented several key app features. This achieves the app to be popular in Philippines and made 1M+ monthly active and new users within a span of 2 months.
  - 7-11 QR cash-in
  - security questions
  - facial recognition KYC
  - customer referral
- Revamped the mobile architecture. This results the app to be more performant, fast and lightweight. This also fragments the code to smaller components, achieving de-coupled use-cases and be more extendable.

Previous Roles
- **Kata Digital** – Senior Software Developer (2016 – 2017)
- **U-Hop Transport** – Mobile Application Developer (2015 – 2016)
- **Remote IT Support** (Freelancer, 2008 – 2014)

Education
Informatics International College

Bachelor of Science in Information Technology
2006 - 2008 / 2012 - Finished 2015

Certifications

- ICT Assessment Certification for Software Developer (GovTech Digital Academy / NUS-ISS)
- Blockchain Technology Advanced Certificate (UOB)
- Leadership: Practical Skills (Manulife)

Projects

- **UOB TMRW SG**:
  - **Android:** https://play.google.com/store/apps/details?id=com.uob.mighty.app&hl=en_SG
  - **iOS:** https://apps.apple.com/sg/app/uob-tmrw/id1049286296
- **GCash App:**
  - **Android:** https://play.google.com/store/apps/details?id=com.globe.gcash.android&hl=en

- **Manulife MOVE:**
  - **Android:** https://play.google.com/store/apps/details?id=com.manulife.move&hl=en_SG
  - **iOS:** https://apps.apple.com/us/app/manulifemove/id1031487052
- **Manulife Distribution toolkit:**
  - **Android:** https://play.google.com/store/apps/details?id=com.manulife.dtk&hl=hk
- **Kirei House PH (In-progress)**
  - **Web:** https://kireihouseph.vercel.app/

Skills

Technical

- SOA, Distributed Systems, Cloud, Event-driven, Containerization, Modularization, Product Line Engineering, Federated identity
- Idempotent transactions, vendor failover, feature toggle
- Clean code, Solid, MVC, MVP, MVVM, DDD, TDD
- NodeJS, SpringBoot, Bash, Redis, Docker, RabbitMQ, Swagger
- NextJS, React, Vite
- MongoDB, PostgreSQL, SQLite
- Mobile Payments, FX, 3DS, QR pay, Investments

- Jenkins, Fastlane, Artifactory, SonarQube, Firebase Distribution
- Observability: NewRelic, Splunk, Open Telemetry
- Security: SSL Pinning, Fraud Detection, E2E http encryption, Web Authn
- Offline Caching, Push notification, Biometric encryption
- Native Mobile (Kotlin, Swift), Hybrid (ionic, Cordova, Capacitor), Flutter
- External SDK integration: (Samsung Health, Google Fit, HealthKit), Google Maps, Google pay, Apple Pay, ML Kit

Soft Skills

- Stakeholder relations | B2B | B2C
- Effective negotiation

- Team mentorship | Engineering leadership
- Customer first mindset

Languages

- English (Professional, Conversational)

- Tagalog (Native or Bilingual)

Contact

Mobile: +65 94854833

Mail: raean.andres@gmail.com

Portfolio: https://raeandres.github.io/raean.andres/

LinkedIn: Rae-An Andres

Let's connect to explore synergies together, share insights, or collaborate on innovative projects!