Rae-An Andres

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Summary

An experienced software engineer based in Singapore with over 10 years of professional experience 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 tasks that needs critical decision making.
- Facilitating production deployments, orchestrating multiple teams on the overall deployment and post-production process.
- Optimizing DevOps pipelines and elevated development practices.

Key highlights
- Effective stakeholder relationship
- Engineering team governance
- 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
  - Manulife MOVE - health app
  - CMP - Customer Management Profile
- 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 Leadership - Building leaders
- E2E software development experience.
- Mobile SME

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
  - facial recognition KYC
  - security questions
  - 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

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
- Native Mobile (Kotlin, Swift), Hybrid (ionic, Cordova, Capacitor)
- NodeJS, SpringBoot, Java, Bash, Docker, RabbitMQ, Next, React, Vite
- Jenkins, Artifactory, SonarQube, Firebase Distribution
- Architecture: Monolith, Cloud, SOA, Distributed Systems, Event-driven, Containerization, Modularization, DDD, TDD, Product Line Engineering
- Code: Clean, Solid, MVVM, MVC, MVP
- Observability: NewRelic, Splunk, Open Telemetry
- Security: SSL Pinning, Fraud Detection, E2E http encryption, Web Authn
- Offline Caching, Push notification, Biometric,
- Mobile Payments, FX, 3DS, QR pay, Investments
- External SDK integration, (Samsung Health, Google Fit, HealthKit)

Soft Skills
- Stakeholder relations
- Effective communication
- Team mentorship
- Customer first mindset

Languages

- English (Professional, Conversational)
- Tagalog (Native or Bilingual)

Contact

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

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