

# CYRIL PILLAI

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## SUMMARY

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Seasoned professional with over 9 years of experience, currently leading a team of 3 mobile engineers and 2 backend engineers in the seamless development and delivery of high-quality product features. I possess extensive technical expertise in mobile applications and software systems enabling me to drive innovation and ensure optimal performance. My strong leadership and communication skills foster effective collaboration with cross-functional stakeholders, including Product Managers, Designers, QA Analysts, and Business Teams, facilitating the achievement of collective goals.

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## EXPERIENCE

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### **Lead Software Engineer, Gojek - Bengaluru**

**Oct 21 - Present**

- Spearheaded legacy codebase **re-architecture** for improved readability, scalability, and maintainability. Gradual rewrite boosted code coverage from **1% to 70%**, minimized crashes, enhanced predictability, and boosted developer productivity.
- Collaborated with diverse stakeholders to overhaul the GoSend product, resulting in enhanced user experience, **28% reduction** in booking creation time and proliferation of total COs by **10%**.
- Coordinated efforts across departments to build and launch the Single Pickup Multi-Drop feature, resulting in a **4.4%** profit boost amounting to **~\$510K** annually.
- Analyzed **technical debts** like code cleanup, feature toggle removal, code refactoring, etc. and devised a plan with EM and other stakeholders to address them efficiently without hampering product deliverables.
- Mentored junior team members through personalized 1:1 sessions, knowledge-sharing forums, comprehensive code reviews, and strategic discussions on RFCs & ADRs. Provided actionable feedback and career development support empowering them to achieve their professional goals.

### **Senior Software Engineer, Gojek - Bengaluru**

**May 20 - Oct 21**

- Orchestrated the successful migration to **AndroidX** for the entire consumer app codebase, comprising over 200 modules.
- Consistently demonstrated ability to swiftly identify, debug, and resolve critical bugs, including instances such as mitigating an **UndeliverableException**, which led to **5K crashes** impacting 4.5K users within 7 days or resolving discrepancies in LatLngs for created bookings.
- Crafted comprehensive **technical documents** such as RFCs, RCAs, ADRs, onboarding guides, and how-tos, ensuring clear communication and knowledge dissemination across teams.
- Played a pivotal role in shaping the **high-level architecture** and API contracts, particularly in complex backend systems with multiple microservices, contributing to streamlined development processes and enhanced system performance.
- Promoted adoption of best practices across the team through structured code reviews & SOPs.

### **Product Engineer, Gojek - Bengaluru**

**Sep 18 - Apr 20**

- Led the end-to-end development and launch of Intercity on the Android front, showcasing exceptional **project management skills**, technical acumen, and strategic vision.
- **Mitigated fraud** in GoSend reversal flows by introducing sender verification & geo-fencing constraints resulting in increased trust amongst users.
- Integrated in-house Chat SDK in GoSend solving communication issues between consumers and drivers. The feature experienced a high adoption rate and also **reduced SMS costs**.

- Tackled tightly coupled code by **refactoring** and writing **unit tests** to enhance testability, reliability, and maintainability, fostering a robust development environment.
- Focused on **code quality** and readability by applying principles like SOLID, DRY, KISS, YAGNI, composition over inheritance, intent over implementation, etc.

#### **Android Developer, m.Paani - Mumbai**

**May 16 - Aug 18**

- **Architected** the entire B2B application following the MVVM architecture, prioritizing robustness, scalability, and **offline functionality** for mobile devices.
- Implemented Metaprogramming concepts through **annotation processing** to automate the generation of boilerplate code, reducing human errors. Open-sourced the solution on GitHub.
- Developed a lightweight rewards redemption **SDK** featuring intuitive APIs and minimal footprint.

#### **Android Associate, SKCS LLP - Mumbai**

**Jan 15 - Mar 16**

- Collaborated with stakeholders to bring ideas to fruition and worked on a variety of Android apps for clients across multiple sectors.
- Solely developed a keyboard application from **conception to launch**, garnering substantial traction within the first month of launch.
- Designed and implemented a **mobile/tablet-friendly POS system** for restaurants/canteens, enabling order placement, KOT management, offline support, and bill printing.
- Created a crowdsourced **phone number identification** app that displays caller details for unknown numbers during incoming calls. Utilized multi-layer inference for accurate identification, integrated phone call receivers, overlay window, and user location syncing.

### **EDUCATION & CERTIFICATIONS**

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#### **Associate Android Developer**

**Jan 2017**

Google Inc.

#### **Bachelor of Science, Computer Science**

**Jul 2015**

Mumbai University

#### **Python Crash Course**

**Feb 2014**

Sheth L.U.J. College of Arts And Sir M.V. College of Science and Commerce

### **SKILLS**

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Mobile app development, System Design, Software Architecture, Android Framework, Kotlin Multiplatform, Flutter, MVP/MVVM/Clean, Jetpack Compose, Offline first apps, REST, ProtoBuf, Serverless, NodeJS, CI/CD, Design Patterns, Technical Writing, Leadership, Mentorship, Collaboration, SDLC, Agile methodology.

### **AWARDS & RECOGNITIONS**

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- Spotlighted in a dedicated **video** by *Google For Developers India* detailing my software development journey.
- Invited by Google as a **panelist** to address engineering students of Suresh Gyan Vihar University, Jaipur during *Mobile Developer Fest*.
- One of **8 exclusive recipients** from India to get a sponsorship for *Google I/O 2017* hosted at Mountain View, California.
- Among the **first 300** to complete the Associate Android Developer Certification globally.
- Recipient of the **Best UI Award** at an Android hackathon hosted by *m-Indicator*.
- Ranked among the **Top 10 participants** in the *I-Know-Vention* competition organized by SEED Infotech.