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## Education

2011  
Master's Degree in Software Engineering  
London Metropolitan University

2009  
Bachelor's Degree in Computer Science  
University of Peradeniya

## Expertise

- Amazon AWS
- AWS S3
- AWS EC2
- Lambda
- Azure
- Docker
- Kubernetes
- GitLab
- Mentoring
- Team Lead
- Work Management
- Maintenance
- Management
- CI/CD Pipelines
- Collaborative
- Git Version control

# Ilanthirayan Paramanathan

## Senior Android Engineer

Passionate and impactful Software Developer successful at building Android applications. More than 10 years of experience. I am able to translate concepts into reliable and scalable code. My work is highly versatile, agile and resilient to glitches, bugs, and software updates. I approach projects collaboratively and build strong, lasting relationships among team members and partners across departments. Every piece of work from code to documentation is of a high quality that meets business goals. App-oriented architect with meticulous attention to detail in strategic design and problem-solving.

## Experience

### Jul 2022 – Current

Jora

#### Senior Software Engineer

##### Crafting an existing codebase and Feature Development

- Enhanced the existing codebase by implementing modern design patterns and best practices in software development.
- Leveraged the latest technologies and frameworks to add new features to existing Android applications, improving user engagement and functionality.

##### Maintain High Coding Standards and Implement Features Efficiently

- Ensured adherence to coding standards by conducting regular code reviews, promoting best practices among team members to improve code quality.
- Collaborated with cross-functional teams to translate business requirements into technical specifications, designing and implementing features that aligned with user needs.

##### Performance Optimization

- Monitored app performance using Android Profiler, identifying and addressing performance bottlenecks to enhance user experience.

##### Kubernetes and Docker Deployment Specialist (CI/CD Pipelines with GitLab)

- Proficiently created Kubernetes clusters and Docker containers for application deployment, ensuring scalability and portability.
- Established efficient CI/CD pipelines using GitLab, automating the build, test, and deployment processes, resulting in faster and more reliable software releases.

### Oct 2021 – Jul 2022

Rakuten Viki

#### Senior Android Engineer

##### Mentorship of Junior Developers

- Provided guidance and support to junior developers, fostering their growth and enhancing their technical skills in Android development.
- Conducted regular one-on-one sessions to discuss code reviews, development challenges, and best practices, helping juniors to navigate complex issues confidently.
- Organized training sessions on key Android topics, including Kotlin programming, Jetpack components, and modern Android architecture patterns, enabling juniors to stay up-to-date with industry trends.

##### Code Review and Feedback

- Led comprehensive code reviews for junior team members, ensuring adherence to coding standards and best practices.
- Delivered constructive feedback to improve their coding skills and foster a culture of continuous improvement.

- Technical Support
- Project Management
- Professional Growth
- Technical Solutions
- Business Requirements
- Emerging Technologies

## Language

- English

## Reference

- Danial (Viddsee Pte Ltd)

### Project Collaboration

- Collaborated with juniors on various projects, allowing them to take ownership of smaller components, while providing oversight and support, which encouraged practical learning through real-world applications.

### Resource Development

- Created documentation and resources, such as coding guidelines and troubleshooting FAQs, to assist junior developers in understanding project expectations and processes.
- Delivered constructive feedback to improve their coding skills and foster a culture of continuous improvement.

### Fostering a Collaborative Environment

- Promoted a culture of collaboration and open communication within the development team, encouraging juniors to share ideas and seek assistance when needed.

### Mar 2015 – Sep 2021

Viddsee Pte Ltd

### Senior Android Engineer

#### Architecture Design and Implementation

- Designed and implemented the base architecture for Android mobile and Leanback TV applications using Java and Kotlin, establishing a solid foundation for future development.

#### Feature Development and A/B Testing

- Implemented new features, utilizing Firebase Remote Config to conduct A/B testing for UI/UX experiments. This facilitated data-driven decisions for upcoming releases, enhancing user interaction and satisfaction.

#### Release Management

- Managed the end-to-end release process on the Google Play Store, ensuring timely deployments and compliance with store guidelines.
- Monitored app performance post-release to address any issues swiftly.

#### Data Analysis for User Insights

- Analyzed Android Events data with BigQuery to gain insights into user behavior, driving improvements in user experience and engagement metrics.

#### Automation and Performance Optimization

- Implemented automation for the Android app development process using Fastlane, facilitating more efficient build and deployment workflows.
- Incorporated offline storage solutions, performance tuning, and threading techniques to ensure seamless app usability and responsiveness.

#### Achievements

- The app surpassed 500,000 downloads and achieved a commendable 4.5-star rating on the Google Play Store, reflecting high user satisfaction.
- Enhanced overall app stability, achieving over 99.9% crash-free user sessions by migrating the codebase to clean Architecture, ensuring modularity and testability.
- Successfully implemented features that improved user experience through offline capabilities, leading to higher engagement rates.

### Jul 2013 – May 2021

Maipplay Pte Ltd

### Senior Android Engineer

#### Native Android Loyalty Application Development

- Developed a native Android loyalty application using Kotlin that allows customers to easily manage and redeem loyalty rewards, enhancing overall user experience.
- Built a library for key strategic partner Point of Sale vendors, enabling the posting and scanning of QR codes based on customer purchase amounts. This facilitated seamless integration with the Android application.

Feature Enhancement and Bug Fixes

- Continuously added new features and enhanced existing functionalities by monitoring the application post-release. Addressed any bug fixes promptly to maintain app stability and user satisfaction.

Development Process Management

- Gathering requirements from clients to ensure alignment with business goals.
- Estimating resources and allocating tasks during agile sprints.
- Coordinating testing, deployment, and maintenance activities post-release.

Lifecycle Management

- Oversaw key aspects of the Android application lifecycle, from initial research and planning through to deployment and ongoing post-launch support, ensuring a smooth transition and operational excellence.

Achievements

- Converted core mobile loyalty features into a white label project, allowing any merchant to build a mobile loyalty app using the library created. This significantly increased the market potential and usability of the solution for various partners.

Sep 2012 – Jul 2013  
Butterfly Global Pvt Ltd  
Android Developer

Native Android Tablet Application Development

- Developed a native Android tablet application (e-Menu) using Java from scratch, designed specifically for restaurants to streamline order management by integrating with Point of Sale (POS) systems for sending orders directly to the kitchen.

Installation and Customization

- Installed the application on client devices, customizing it based on the chosen templates and integrating provided resources such as food menu images, prices, and menu details to ensure a tailored experience for each restaurant.

Performance Assessment

- Evaluated the application's performance and code efficiency through rigorous benchmarking and optimization tests, ensuring a smooth and responsive user experience for restaurant staff.

Achievements

- Successfully implemented 40 different templates that clients (restaurants) can choose from to configure and customize the e-Menu application, allowing businesses to reflect their branding and meet specific operational needs.

Skills

Languages & Frameworks	Android Libraries	Architecture	Key Skills IDE	Platforms	Other
Java	Jetpack	MVP	Android Studio	Leanback	Git
Kotlin	Room	MVVM	IntelliJ IDEA	Android TV Emulator	SVN
React Native	Dagger/Hilt	Clean Architecture	Eclipse	Exoplayer	Gradle
Flutter	Coroutines			Firebase	
	Retrofit			Android Mobile	
	Gson				
	Compose				
	Glide				