

Janith Karunathilaka

Software Engineer

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🌐 <https://www.linkedin.com/in/janith-reuka/> 🔗 <https://janithreuka.github.io/> 🇱🇰 Sri Lanka

Profile

Results-driven Software Engineer with progressive experience in enterprise application development. Experienced in system design, third-party integrations, and database architecture, with strong expertise in developing scalable and maintainable software solutions. Adept at working closely with technical leads and stakeholders to translate requirements into effective technical implementations. Committed to delivering high-quality, efficient, and reliable systems.

Skills

- Teamwork
- Time Management
- Self-Motivate
- Self-Study

Technical Skills

- .NET
- C#
- MSSQL
- Azure TFS
- Angular TS
- Unity Engine
- RabbitMQ
- GIT
- Android Studio
- REST API
- Google Cloud

Professional Experience

LB Finance PLC

Senior Software Engineer

12/2024

- Contributed to the design and development of the Insurance Module within the Eclipse system, enhancing core business workflows and system reliability.
- Designed and implemented third-party integrations with external insurance partners, enabling seamless data exchange and improving interoperability.
- Collaborated with team leads to design scalable database structures and overall system architecture, ensuring performance, maintainability, and future extensibility.
- Participated in technical discussions, solution design, and architectural decision-making to align development with business requirements.
- Developed and maintained APIs/services supporting insurance operations and external integrations.

Colombo, Sri Lanka

Software Engineer

06/2022 – 11/2024

- Developed and maintained features for the Deposit and Savings Module, supporting core banking operations and customer account management.
- Implemented business logic and workflows related to deposits, interest calculations, and savings products.
- Collaborated with cross-functional teams to enhance system functionality and resolve production issues.
- Participated in database-related development, including writing queries, optimizing performance, and ensuring data accuracy.
- Contributed to bug fixes, system improvements, and module enhancements to maintain application stability.

Colombo, Sri Lanka

Projects

Multimodal AR (Research Project) - Individual (Ongoing)

Multimodal User Interaction in Mobile AR: A Hands-Free Approach Using Voice and Gesture Recognition

Tech Stack:

- Unity AR
- Google Cloud
- Mediapipe

Designed and developed a mobile AR application using Unity and ARCore, implementing a multimodal interaction model that integrates voice commands and touch gestures for real-time object manipulation. Developed a real-time voice command processing pipeline, enabling dynamic creation, transformation, and control of AR objects. Conducted usability-focused design and evaluation, incorporating performance metrics such as task completion time, interaction efficiency, and error rates. Integrated Firebase Firestore for dynamic object metadata management and interaction logging.

IM System – Group Project

Tech Stack - PHP, HTML, CSS, MySQL

An information and management system to replace the current manual system in the Academic & Publication Division of UCSC

Repo - IM System [↗](#)

Smart Ride – Group Project

Tech Stack - PERN stack, Flutter

A Google Map API based Bus Ticketing System (Web & Mobile Application)

Repo - Smart Ride [↗](#)

Education

Master of Computer Science

University of Colombo School of Computing

01/2024

Colombo, Sri Lanka

Bachelor of Science in Computer Science

University of Colombo School of Computing

02/2019 – 03/2022

Colombo, Sri Lanka

Certificates

AZURE Fundamental Certification

Reference [↗](#)

Extra Curricular Activities

- Member of the Baseball team at the University of Colombo.
- Volunteer – Makerfair exhibition 2019, organized by the American Center, US Embassy
- Volunteer – IEEE MADHack Hackathon – Organizing Committee

References

Mrs. Maheesha Wimalasooriya, *Tech Lead*, LB Finance – Center for technology and innovation
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Mr. Nimesh Peiris, *Associate Tech Lead*, LB Finance – Center for technology and innovation
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