

Chathuranga Edirisinghe

Senior Senior Software Engineer & Associate Technical Lead

SUMMARY

- Senior Software Engineer & Associate Technical Lead with 9+ years in Flutter/Dart, leading scalable mobile/web apps for 18,000+ users.
- Expert in Clean Architecture, CI/CD (GitHub Actions, Codemagic), Agile methodologies, and cross-functional team leadership.
- Proven track record in modernizing legacy systems, mentoring engineers, and integrating RESTful APIs and Google Maps API.
- Author of flutter_date_kit package, enhancing date/time utilities for Flutter developers.
- Strong background in cross-platform development (iOS, Android, Web) using Flutter, React Native, and Xamarin, with experience in testing, DevOps, and performance optimization.

TECHNICAL SKILLS

Main Technical Skills	Flutter (5 yr.), Dart (5 yr.)
Programming Languages	Dart (5 yr.), Java (4 yr.), JavaScript (4 yr.), Kotlin, Objective-C, Swift, TypeScript
Android Libraries and Tools	Android SDK, Android Studio, Kotlin
Mobile Frameworks and Libraries	Crashlytics, Flutter (5 yr.), Xamarin
JavaScript Frameworks	Express, React, Vue.js
.NET Platform	.NET (4 yr.)
JavaScript Libraries and Tools	React Native, Redux
Data Analysis and Visualization Technologies	Data visualization, Google Analytics
Databases & Management Systems / ORM	Firebase, Microsoft SQL Server, MongoDB
UI Frameworks, Libraries, and Browsers	Ajax, JQuery Mobile
Cloud Platforms, Services & Computing	Firebase
UI/UX/Wireframing	Adobe Photoshop

Methodologies, Paradigms and Patterns	Agile, Clean Architecture, Kanban, MVVM, Scrum, Solution Architecture Design, TDD
SDK / API and Integrations	Android SDK, Google Maps API, RESTful API
Third Party Tools / IDEs / SDK / Services	Android SDK, Android Studio, Eclipse, Microsoft Visual Studio Code, Visual Studio, XCode
Version Control	BitBucket, GitHub, Github Actions
QA, Test Automation, Security	BugZilla, Integration testing, Mantis, Unit Testing
Deployment, CI/CD & Administration	Codemagic, Mantis
Platforms	Fastlane
Collaboration, Task & Issue Tracking	Jira
Operating Systems	Linux, macOS, Windows
Logging and Monitoring	Sentry
iOS Libraries and Tools	UIKit
Other Technical Skills	Bloc, Provider, Riverpod

WORK EXPERIENCE

Senior Software Engineer (Acting Tech Lead) - Aurues Group (Pte) Ltd (Cross-platform mobile and web applications development)

Duration: Dec 2023 – Present

Summary: Leading the development of scalable, user-centric cross-platform mobile and web applications focused on education platforms, delivering seamless digital experiences for users.

Responsibilities:

- Leading development using Flutter for mobile and web.
- Collaborating with design and product teams to deliver scalable features.
- Mentoring junior engineers and conducting code reviews.
- Engaging with stakeholders for requirement refinement and feedback.
- Driving R&D for new Flutter packages and architectural patterns.
- Supporting technical planning and roadmap definition.
- Optimizing app performance across iOS, Android, and web.
- Contributing to agile ceremonies and sprint planning.
- Ensuring code quality and maintainability with clean architecture.
- Leading technical troubleshooting and issue resolution.

Technologies: Flutter, Dart, iOS, Android, Web, CI/CD, Agile, Clean Architecture



Associate Technical Lead - Ascentic (Pvt) Ltd (Mobile and web applications development and modernization)

Duration: Oct 2021 – Dec 2023

Summary: Led a team delivering mobile and web applications using Flutter and modern frontend technologies, focusing on clean architecture and modernization of legacy systems for Scandinavian clients.

Responsibilities:

- Led development teams and defined application architecture.
- Acted as technical liaison with Scandinavian clients.
- Provided hands-on support in complex modules and API integrations.
- Reviewed code and promoted best practices.
- Facilitated onboarding and internal Flutter training.
- Championed DevOps and CI/CD workflows.
- Participated in backlog grooming and sprint retrospectives.
- Transitioned legacy systems to modular Flutter architecture.

Technologies: Flutter, Dart, CI/CD, DevOps, Agile, REST APIs, Scandinavian client collaboration

Associate Technical Lead - TIQRI (Pvt) Ltd (Enterprise mobile projects modernization and development)

Duration: Jul 2021 – Oct 2021

Summary: Spearheaded technical planning and execution of enterprise mobile projects, mentoring developers and modernizing legacy solutions with scalable Flutter codebases for European clients.

Responsibilities:

- Led technical planning and execution under tight timelines.
- Mentored developers on architecture and state management.
- Interfaced with European clients for requirements translation.
- Modernized legacy solutions with Flutter.
- Audited code quality and introduced linting tools.
- Collaborated with QA on automated testing strategies.
- Contributed to knowledge sharing and engineering playbooks.

Technologies: Flutter, Dart, Code Quality Tools, Automated Testing, Agile, European client collaboration

Senior Software Engineer - TIQRI (Pvt) Ltd (Cross-platform app development and maintenance)

Duration: Dec 2019 – Jul 2021

Summary: Developed and maintained cross-platform mobile applications integrating Firebase and RESTful APIs, delivering feature-rich modules and collaborating on system architecture for greenfield and brownfield projects.

Responsibilities:

- Developed Flutter apps integrating Firebase and REST APIs.
- Collaborated with product owners and UI/UX designers.



- Participated in architecture design discussions.
- Delivered features including chat, push notifications, analytics, offline support.
- Coordinated API contracts with backend developers.
- Conducted code reviews and resolved production bugs.
- Managed app store deployment and release management.

Technologies: Flutter, Dart, Firebase, REST APIs, Agile, CI/CD

Software Engineer - Virtusa (Pvt) Ltd (Mobile and web components development for finance and healthcare)

Duration: Sep 2015 – Sep 2019

Summary:

- Developed mobile and web components for clients in finance and healthcare sectors, working in distributed agile teams and contributing to full-stack development with JavaScript frontends and
- NET backends

Responsibilities:

- Developed mobile and web components using JavaScript and .NET.
- Worked in distributed agile Scrum teams with continuous integration.
- Implemented reusable UI components and maintained shared libraries.
- Participated in technical design reviews and collaborated with architects.
- Engaged in client demos, documentation, and user manual creation.
- Ensured security-compliant coding practices in regulated environments.

Technologies: JavaScript, .NET, Agile, Scrum, Continuous Integration

Mobile Developer - Aurues Group (Pte) Ltd (Aureus Academy App)

Summary: Developed and maintained the Aureus Academy app used by over 18,000 students in Singapore to manage lesson schedules, attendance, and communication between students, parents, and teachers.

Responsibilities:

- Built and maintained the mobile app for iOS and Android using Flutter.
- Implemented scheduling, rescheduling, and cancellation workflows.
- Integrated push notifications and email alerts.
- Developed teacher-parent communication features.
- Enabled multi-student profile management with lesson credit tracking.

Technologies: Flutter, Dart, iOS, Android, Push Notifications, Email Integration

Senior Software Engineer / Tech Lead - ThinkAR (AI Lens Smart Glasses App)

Summary: Contributed as Senior Software Engineer and Technical Lead to the AI Lens mobile app integrating with AI-powered smart glasses, enabling voice interaction, AI agents, and real-time device communication.

Responsibilities:

- Developed mobile features using React Native for iOS and Android.
- Implemented device connectivity via Bluetooth and socket communication.
- Built teleprompter, live voice streaming, AI agent interaction, and translation widgets.



- Worked on firmware update workflows and device configuration.
- Collaborated with international teams remotely.
- Led debugging, feature implementation, and performance improvements.
- Contributed to architectural decisions for cross-device communication.

Technologies: React Native, Bluetooth, Socket Communication, AI Integration, iOS, Android

Mobile Developer - Aurues Group (Pte) Ltd (Aureus Interactive)

Summary: Designed and launched an iPad-only gamified music learning app to enhance student engagement through interactive storytelling and immersive narratives.

Responsibilities:

- Created 5 interactive worlds with 40+ animated characters and 300+ story-driven activities.
- Developed game mechanics and reward systems.
- Collaborated with curriculum teams for music learning integration.
- Ensured smooth and engaging user experience on tablets using Flutter.

Technologies: Flutter, Dart, iOS (iPad), Gamification, Interactive Storytelling

Mobile Developer (Koko: Learn & Experience Music)

Summary: Built a cross-platform app offering cinematic lessons for piano, guitar, and drums, designed for users from beginners to advanced learners.

Responsibilities:

- Developed guided, interactive music lessons using Flutter for iOS and Android.
- Integrated video tutorials, quizzes, and multi-instrument practice modules.
- Enabled real-time progress tracking and gamified learning experiences.
- Delivered intuitive UI/UX optimized for music learners of all ages.

Technologies: Flutter, Dart, iOS, Android, Video Integration, Gamification

Mobile Developer - Aurues Group (Pte) Ltd (Aureus Employee)

Summary: Created a cross-platform internal app for Aureus Group employees to manage HR, scheduling, and student interactions across web, Android, and iOS platforms.

Responsibilities:

- Developed leave application and expense claim modules with approval flows.
- Enabled staff to view schedules, mark attendance, and manage student enrolments.
- Integrated real-time lesson reporting shared with parents.
- Designed responsive UI for mobile and web.
- Collaborated with backend and QA teams for deployment and user experience.

Technologies: Flutter, Dart, iOS, Android, Web, Real-time Reporting

EDUCATION

• BSc (Hons) in Computer Science

First Class Honours, University College Dublin, Ireland – 2015

