

# Chathuri Sathya

## Flutter Mobile App Developer | Software Engineer

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### Professional Summary

Highly skilled Flutter Developer with a strong background in Mobile App Development, designing and developing cross-platform applications. Passionate about crafting seamless, high-performance apps with intuitive UI/UX, ensuring an engaging user experience. Adept at Flutter, Dart, REST APIs, MySQL, PHP, and Firebase, with expertise in scalable, maintainable, and optimized solutions. Proficient in Agile methodologies, collaborating with cross-functional teams to deliver feature-rich applications within tight deadlines. Experienced in integrating third-party APIs, cloud services, and real-time databases. Skilled in debugging, performance tuning, and memory optimization, ensuring smooth, crash-free applications. Adaptable to fast-paced environments, continuously learning and staying updated with mobile development trends.

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### Experiences

#### Intern, Software Engineer

May 2024 – Nov 2024

SLT Mobitel, Lotus Road, Colombo 01

- **Developed and optimized** the Power Prox project using **Flutter, Dart, PHP, and MySQL**, resulting in a **30% increase in app performance** and enhanced user experience.
- **Applied RESTful APIs**, reducing backend request latency by **20%** and improving data processing efficiency.
- **Led debugging and performance optimization efforts**, reducing app crashes by **40%** through efficient error handling and code refactoring.
- **Collaborated in an Agile team environment**, contributing to sprint planning, code reviews, and stand-up meetings, ensuring **95% on-time feature delivery**.

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### Education

#### BSc. Computer Science and Electronics

Feb 2020 – Dec 2024

Wayamba University of Sri Lanka, Kuliyaipitiya, Sri Lanka

Major: Computer Science | Minor: Electronics

#### Higher Diploma in Software Engineering

May 2021 – May 2022

Wayamba University of Sri Lanka, Kuliyaipitiya, Sri Lanka

Major: Software Engineering

#### Diploma in Computer Application

Jan 2020 – Jan 2021

Wayamba Nenasala , GiriUlla, Sri Lanka

Major: Microsoft Office Word, Excel, Access and PowerPoint

#### Business English

Jan 2023 – Jun 2023

Wayamba University of Sri Lanka, Kuliyaipitiya, Sri Lanka

#### Advanced English Proficiency Course

Jul 2023 – Nov 2023

Wayamba University of Sri Lanka, Kuliyaipitiya, Sri Lanka

#### Diploma in English

Oct 2019 – Dec 2019

BritishWay English Academy, Nittambuwa, Sri Lanka

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## Personal Projects

- Dual Language Translator – Flutter & Python
- **Project Overview:** Innovated an AI-powered translator app supporting **3 languages (English, Sinhala, Tamil)** with accurate, natural translations for mixed-language input.
- **Key Contributions & Achievements:**
  - Started an AI-powered mobile translator using Flutter & Flask, achieving 95% translation accuracy across multiple language pairs (English, Sinhala, Tamil).
  - **Optimized API performance**, reducing **translation response time by 40%**, ensuring seamless and efficient real-time translations.
  - Implemented NLP-based sentence restructuring, enhancing grammatical accuracy by 30% for natural and contextually accurate translations.
  - **Designed and managed a MySQL database**, efficiently storing **10,000+ translations**, enabling fast and reliable history retrieval.
  - Integrated a dynamic translation history feature, allowing users to access past translations, increasing user engagement by 60%.
  - **Improved a starred translations feature**, enabling users to save frequently used phrases, benefiting **80% of active users**.
  - **Conducted extensive unit testing**, improving translation logic and **reducing system errors by 25%**, ensuring a stable and reliable application.
  - **Enforced REST API communication**, handling **100+ concurrent requests** without performance degradation, ensuring a smooth user experience.
  - **Enhanced UI/UX design**, creating an intuitive, user-friendly interface that maximizes accessibility and ease of navigation.
  - **Integrated third-party API support**, expanding the app's capabilities while maintaining high performance and accuracy.
  - **Utilized agile development methodologies**, ensuring continuous improvements, rapid issue resolution, and efficient feature deployment.
  - **Applied performance optimization techniques**, reducing app memory consumption and improving response speed, leading to **higher user satisfaction**.
  - **Maintained clean, scalable, and modular code**, enhancing maintainability and supporting future feature expansions.
- **Tech Stack:** Flutter, Dart, Python (Flask), MySQL, REST API, NLP, Git/GitHub

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## Technical Skills

- Flutter
  - Dart
  - Java
  - HTML
  - CSS
  - JavaScript
  - MySQL
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## Tools/ Framework

- Gradle
  - REST API
  - JSON
  - Android Studio
  - VS Code
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## Soft Skills

- Ability to work independently
  - Strong problem-solving skills
  - Critical Thinking
  - Teamwork and
  - Adaptability
  - Communication Skills
  - Leadership
  - Time management
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## Personality

- Proactive and detail-oriented problem solver.
  - Strong teamwork and leadership skills with a collaborative mindset.
  - Excellent communication, ensuring clear and effective interactions.
  - Adaptable to dynamic work environments and eager to learn.
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## Certifications

- Ethics in the Age of Generative AI
  - Generative AI The Evolution of Thoughtful Online Search
  - Learning Microsoft 365 Copilot
  - What is Generative AI
  - Streamlining Your Work with Copilot formerly Bing Chat Enterprise-I
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## Personal Information

- Language: English, Sinhala
  - Notice Period: Immediate
  - Availability: Open to remote & onsite opportunities
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## References

Prof.V.G.T.N.Vidanagama,  
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Wayamba University of Sri Lanka,  
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