

Poorna Theekshana

Graduate Software Engineer | Full-Stack

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Profile

Recent Software Engineering graduate with hands-on industry experience in full-stack development, cloud-native systems, and DevOps practices. Experienced with MERN, AWS, Docker, and CI/CD through academic and professional projects. Strong foundation in Agile delivery, system design, and collaborative engineering.

Experience

Software Engineering Trainee

Oct 2023 – Apr 2024

99x, Colombo / Hybrid

- Contributed to two project streams:
 - Norwegian LMS** — Laravel, Vue.js, Docker
Contributions: implemented backend modules; built responsive UI views; containerized dev/test for consistent onboarding.
 - DevGrade (EdTech)** — Angular, Node.js, MongoDB, AWS (Lambda, DynamoDB, Amplify, S3)
Contributions: built serverless APIs and shared UI components; supported IaC/cloud deployments and release validation.
- Built an internal **Hackathon Starter Template** (Node.js, SQLite) with tests in *Vitest*; used for rapid event projects.
- Practiced Agile/Scrum with Jira and GitHub; delivered sprint demos and collaborated on code reviews.
- Applied Docker to standardize local development and improve onboarding consistency.

Technical Writer (Contract)

Sep 2022 – Present

Enlear, Remote

- Authored 50+ technical tutorials and developer guides for SaaS, cloud, and open-source tools.
- Articles surpassed 20K total reads, boosting SEO and developer engagement.

Education

BSc (Hons) in Information Technology (Software Engineering)

2021 – 2025

Sri Lanka Institute of Information Technology (SLIIT), Malabe

CGPA: 2.79 / 4.0

Focus: full-stack development, distributed systems, databases, and cloud computing.

G.C.E. Advanced Level (Physical Science)

2020

Siridhamma College, Galle

G.C.E. Ordinary Level

2016

Siridhamma College, Galle

Technical Skills

Primary: JavaScript, Node.js, React, Express, MongoDB, Docker, AWS, Git

Secondary: Python, PHP, Laravel, Vue.js, Angular, SQL, Firebase, Kotlin, Java, C#

Tools/Practices: GitHub Actions, CI/CD, Jira, Postman, Figma, Jupyter

Projects

</> TraceFly – UAV Path Planning (Final Year Project)

- **Role:** Lead for 3D obstacle detection & perception.
- **Tech:** Python, PyTorch, LiDAR, AirSim, Unity3D, Deep Learning.
- **Highlights:** Built a hybrid LiDAR pipeline (PointPillars, CenterPoint, PointRCNN) with weighted fusion and LSTM temporal smoothing; generated synthetic scenes to test occlusion/motion; integrated detections with GA-based path planning; achieved ~95% simulation accuracy and real-time telemetry dashboards.

</> Badminton Facility Reservation System

- **Tech:** MERN, MongoDB Atlas, JWT, React Bootstrap.
- **Highlights:** Built a role-based booking app with protected routes/JWT, availability calendar views, real-time slot validation, and optimistic UI updates; designed REST APIs and MongoDB schemas; added CI checks and basic e2e tests.

</> EyeQTest – Mobile Vision Testing

Vision-screening app; later published.

Kotlin, Android, Firebase, Computer Vision

</> NetBooking – Cloud Microservice

Auth microservice with CI/CD and containerized deployment.

Node.js, MongoDB, Docker, AWS EC2, GitHub Actions

</> DevGrade – EdTech Assessment Platform

Scalable learning/assessment platform.

Angular, Node.js, MongoDB, AWS Lambda

</> Astroscape – NASA Explorer

NASA data explorer frontend with live API integration, AWS-hosted.

React.js, JavaScript, AWS S3, Public APIs

</> Conversational Document Q&A Bot

Chatbot for querying uploaded files with context-aware LLM responses.

Python, LangChain, Google Gemini, RAG

</> Laravel Shopping Cart Application

E-commerce CRUD platform with Blade templating.

Laravel, PHP, MySQL, MVC, Docker

</> Task Buddy – On-Demand Mobile App

User-centered app for local service bookings.

Kotlin, Figma, Design Thinking, Usability Testing

Certifications

Microsoft Certified: **Azure Fundamentals (AZ-900)**, Microsoft, May 2022

Publications

EyeQTest: A Comprehensive Mobile Application for Vision Assessment in the Digital Age

Journal of Propulsion Technology, Dec 2023.

References

Chameera Dulanga

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