# CHAMATH **SENANAYAKE**

**SOFTWARE ENGINEER**
Colombo, Sri Lanka | +94 76-7344-265
chamath5000@gmail.com | LinkedIn | GitHub | Portfolio

## ABOUT ME

Passionate and results-driven Software Engineer with a degree in Computer Science and hands-on experience in delivering high-quality software solutions. Currently employed in a dynamic software development role, I bring a strong foundation in coding, problem-solving, and teamwork. I am dedicated to continuous learning and improving system efficiency, while leveraging my knowledge to create innovative and scalable applications. Eager to contribute technical expertise to a forward-thinking team and drive impactful projects.

## WORK EXPERIENCE

**SOFTWARE ENGINEER, Q4US SRI LANKA (PVT) LTD**                **May 2024 - Present**

- Worked across the full stack, building both the backend with Moleculer.js microservices framework and the frontend using React and TypeScript for the UTM project.
- Implemented AI-driven features, including an AI search filter using OpenAI function calling, and developed methods for RAG evaluation and AI text-to-SQL evaluation with automated test set generation sing Python FastAPI.
- Managed backend data using MongoDB for file storage and PostgreSQL for user and site management.
- Contributed significantly to testing tasks by writing unit tests with the Mocha framework, working closely with Quality Engineers to ensure high code quality, performing debugging, and addressing production issues.
- Played an active role in project planning, collaborating with cross-functional teams to define project requirements and timelines.
- Created detailed design document specifications for UI components, ensuring clarity and consistency in the front-end development process.
- Worked with Docker to streamline deployment and containerization processes.
- Implemented PDF stamping functionality by applying templates using PDFtk.
- Implemented a micro frontend for the admin dashboard using React and Chart.js to display dynamic and interactive charts, enhancing data visualization and modular scalability.

**(Technologies Used: Node.JS,Molecular.js,TypeScript,React,MongoDB,PostgreSQL,Mocha,Docker)**

**UNDERGRADUATE TRAINEE, Q4US SRI LANKA (PVT) LTD**                **Nov 2023 - May 2024**

- Contributed to the development of new features for the existing system, 'Atlantic,' a multi-platform project focused on managing truss jobs for clients, adhering to industry best practices.
- Worked on the backend of a Windows application using C# and .NET, alongside frontend development using React and TypeScript for the web interface.
- Assisted in building and enhancing a mobile application using Flutter to extend the system's capabilities to mobile platforms.
- Collaborated with cross-functional teams in an Agile environment, participating in sprints, daily stand-ups, and project planning.
- Engaged in unit testing, debugging, and issue resolution, ensuring smooth integration of features.

**(Technologies Used: C#,.NET,TypeScript,React,Flutter)**

## SKILLS

- React
- Node
- TypeScript
- Express/Molecular
- HTML/CSS/JavaScript

- Tailwind CSS
- Python/FastAPI
- C#/.NET
- Flutter
- MySQL/MongoDB

- Git
- C/C++
- Mocha
- Docker
- OpenAI

# EDUCATION

**BSC IN COMPUTER SCIENCE**                                     **Apr 2021 - Nov 2024**
UNIVERSITY OF COLOMBO- SCHOOL OF COMPUTING
GPA 3.49

**G.C.E. ADVANCED LEVELS**                                      **Feb 2006 - Aug 2019**
Richmond College, Galle, Sri Lanka
Combined Mathematics-A │ Chemistry-B │ Physics-B

# CERTIFICATES

- React Basics issued by meta
- Leaning Redux Toolkit by Ebenezer Don
- Modern React by Udemy
- Postman API Fundamentals Student Expert

# EXTRACURRICULAR

- Acted as a presenter at the UCSC Career Fair 2025, delivering a speech to undergraduates
- Participated in NBQSA 2023, Sri Lanka's premier competition recognizing excellence in software and ICT innovation
- Completed the 11-week Speechcrafters Program by Toastmasters International
- Served as Coordinator of the School IT Society, organizing workshops and tech awareness sessions
- Served as Assistant Secretary of the School Science Society, assisting in event coordination

# PROJECTS

**MARKASSIST**                                                 **2023**
An all-in-one solution which was implemented for marking, analysing, grading and ranking exam papers using Machine Learning., Python, FastAPI, React, Tailwind CSS, MongoDB, OpenCV, Azure Computer Vision, Firebase[Storage], AWS, OpenAI

**AUDEXLK**                                                    **2022**
A web application where music related service providers and buyers can collaborate and sell and buy goods directly or to hold auctions., HTML, CSS, PHP, JS, Fetch, AWS, Stripe, PHPMailer, chartJS

**AIRBNB-CLONE**                                               **2023**
An airbnb clone, full-stack MERN application which provides access to various CRUD operations., MERN stack, Tailwind CSS, jwt, Google oauth

**YOUTUBE-CLONE**                                              **2023**
An application designed as a YouTube replica which grants users access to perform CRUD operations on various content., MERN stack, Redux Toolkit, Firebase[Authentication, Storage], jwt

**SEWANA HOLDINGS PROPERTY MANAGEMENT WEBSITE**                **2021**
A computerized solution for a real estate company which helps in employee management, property management and customer management., HTML, CSS, JS, PHP, XAMPP, SQL

# REFERENCES

References available upon request