

THENUJAN VELTHASAN

SOFTWARE ENGINEER

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About Me

A highly motivated and detail-oriented Software Engineering graduate with hands-on experience in full stack development, API integration, and database management. Passionate about building scalable and efficient software solutions to solve real-world problems. Proven ability to work collaboratively in agile environments, with strong debugging, problem-solving, and communication skills. Eager to contribute technical expertise and a growth mindset to a dynamic development team as a software engineer.

Education

- University of Kelainya**, B.Sc(Hons) in Software Engineering Aug 2022 – Feb 2026
- GPA: 3.31/4.00
- J/ Kokuvil Hindu Collage**, G.C.E. Advanced Level(Physical Science) Jun 2017 – Dec 2019
- Z-score: 1.7305 - Combined Maths: A | Physics: C | Chemistry: A

Experience

- Software Engineer Intern & Trainee**, Auradot (Pvt) Ltd. Jan 2025 – Jan 2026
- Engineered secure document storage by implementing hybrid and symmetric encryption/decryption mechanisms (AES/RSA) to ensure data privacy and access control.
 - Streamlined CI/CD workflows by configuring automated pipelines using Bitbucket Pipelines, Docker & Azure, accelerating the transition from development to production deployment.
 - Developed a real-time notification engine using WebSockets and Socket.IO to provide instant system updates on document-related events.
 - Enhanced data privacy through the implementation of a document masking feature, protecting sensitive information within the viewer interface.
 - Optimized collaboration tools by developing multi-channel document sharing (Email, SMS, and Internal) and a robust versioning system for efficient document lifecycle management.
 - Architected a high-complexity Angular frontend featuring a modular component-based UI, integrating digital signatures, coordinate-based PDF manipulation, and dynamic document masking to protect sensitive data.
 - **Java, Spring Boot, Angular, Keycloak, Spring Security, Tailwind CSS, MySQL, Rest API, WebSocket, jsTree, Hybrid and Symmetric Cryptography, Elastic Search, Bitbucket, Jira, Docker, Bitbucket-pipelines**

Projects

Pit shop service booking application

- Developed a pit shop service booking application to address the problem of inefficient service scheduling. The app allows users to book time slots for vehicle services, while service managers can manage availability and services. This solution streamlines the booking process, ensuring better organization and timely service delivery.
- Microservices project (Individual Project-On Going)
- **Technologies Used: Spring Boot, MySQL, API Gateway, Rest API, Mail Verification, gRPC, Kafka, Spring security**
- **Source Code:** github.com/Thenujan/source

School management system

- Addressed the challenge of disorganized access to educational resources by providing students with streamlined access to syllabi, exam schedules, results, and study materials, while enabling efficient management and updates by administrators.
- Monolithic project (Individual Project)
- **Technologies Used: React JS, Spring Boot, MySQL, Rest API**
- **Source Code:** github.com/Thenujan/source

Photo Studio Management System

- Developed a Photo Studio Management System for booking photography/videography services with package selection and portfolio viewing. Implemented customized product ordering (mugs and frames) with image upload. Designed an admin workflow for photo editing, approval, and order management.
- Monolithic project (Individual Project)
- **Technologies Used: React JS, Express JS, MySQL, JWT Token, Rest API**
- **Source Code:** github.com/Thenujan/source

Driving school management system

- This application eliminates the need for students to physically visit driving schools for enrollment and exam processes. This system facilitates online document submission, fee payment, and exam scheduling, streamlining interactions between students and driving schools, and enhancing overall convenience and efficiency.
- Monolithic project (Individual Project)
- **Technologies Used: React JS, Express JS, MySQL, JWT Token, Rest API**
- **Source Code:** github.com/Thenujan/source

Skills

Programming languages : Java, JavaScript, TypeScript, SQL, PHP, C, Html/CSS

Frameworks & Technologies : Spring Boot, React JS, Angular JS, Node JS, Express JS, Keycloak, MUI, Bootstrap, Tailwind, SCSS, Framer Motion,

Databases : MySQL, MongoDB

Messaging & Communications : Kafka, gRPC, Rest API, WebSocket

Version Control & Tools : CI/CD, AWS, Docker, Bitbucket Pipelines, GitHub Actions, Bitbucket, Git/GitHub, Jira

Core Concepts : Object-Oriented Programming, Data Structure & Algorithms, Micro Services Architecture, Solid Principles, Debugging & Troubleshooting, Writing clean, maintainable, efficient code, Agile development

Soft skills : Strong problem solving, Accountability, Team work ability, Skilled in troubleshooting and resolving issues, Effective multi-tasking, Good communication, Continuous Learning, Mentorship Mindset

Certifications

AWS Cloud Technical Essentials - Coursera	view certificate
Continuous Integration and Continuous Delivery (CI/CD) - Coursera	view certificate
Introduction to Frontend Development - Coursera	view certificate

Volunteering Experience

Member of Open-Source Software Community , University of Kelaniya	2023 - 2026
Member of Software Engineering Student's Association , University of Kelaniya	2023 - 2024
Batch coordinator of the Tamil Student Association , University of Kelaniya	2022 - 2023

Languages

- English , Tamil (Native)

Refrees

Mr. Lakmal Gunarathna

Associate Architect at Auradot (pvt) ltd

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Dr. (Mrs.) I. Hewapathirana

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