M MOHAMED ASATH

Associate Software Engineer

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PROFESSIONAL SUMMARY

Associate Software Engineer with 1+ year of experience at IFS, specializing in full-stack development, database management, and cloud architecture. Pursuing BSc in Software Engineering at SLIIT (CGPA 3.7). Proven track record in developing scalable applications using MERN stack, Docker, and Kubernetes. Active contributor to open-source projects with strong leadership experience. Delivered enterprise-grade solutions while maintaining academic excellence, including Dean's List recognition.

TECHNICAL SKILLS

Languages

JavaScript, TypeScript, Java, Python, SQL, Kotlin

Frontend

React.js, Vue.js, HTML5, CSS3, Vite

Backend

Node.js, Express.js, RESTful APIs

Databases

MongoDB, Oracle Database, SQL, MySQL

DevOps & Cloud

Docker, Kubernetes, Git, Linux, Cloud Architecture

Tools & Methodologies

Agile, Version Control, MCP, CI/CD

PROFESSIONAL EXPERIENCE

IFS | Associate Software Engineer

May 2025 - Present | Colombo, Sri Lanka

- Promoted after completing 6-month internship, demonstrating strong technical capabilities and professional growth
- Develop and maintain enterprise-grade software solutions using Oracle Database and server-side technologies for international clients
- Collaborate with cross-functional teams to deliver scalable applications, improving system efficiency and user experience
- Implement database queries and optimize performance for complex business workflows
- Contribute to code reviews and maintain high code quality standards

IFS | Software Engineer Intern

November 2024 - April 2025 | Colombo, Sri Lanka

- Gained hands-on experience in enterprise software development, working with database management systems and real-world production code
- Assisted in developing features for IFS Cloud platform, contributing to modules used by enterprise clients globally
- Participated in Agile ceremonies and collaborated with senior engineers to deliver quality software solutions

KEY PROJECTS

KubeMCP - Kubernetes Management MCP Server

Creator & Maintainer | NPM Published Package

TypeScript, Node.js, Kubernetes API, Model Context Protocol (MCP)

- Developed Model Context Protocol server enabling AI-powered Kubernetes cluster management from Cursor IDE
- Implemented comprehensive K8s management features including deployments, pods, services, ConfigMaps, and secrets with 20+ tools
- Achieved 50-60% token reduction through TOON format optimization and 90%+ reduction via intelligent log summarization
- Integrated security layers including GitHub Dependabot, automated audits, and pre-commit hooks
- Published to NPM with support for local, Multipass VM, and custom kubeconfig configurations

Tea Estate Management System

Lead Developer

MongoDB, Express.js, React.js, Node.js (MERN Stack)

- Led development of full-stack web application for tea estate operations management with team of 5 developers
- Designed and implemented RESTful APIs for inventory tracking, workforce coordination, and estate analytics

ADDITIONAL PROJECTS

Portfolio Website

Designer & Developer | www.icy-r.dev

Vite, React.js, Responsive Design

- Designed and developed personal portfolio website showcasing projects, skills, and professional journey
- Implemented modern design principles with optimized performance using Vite

YForgot - Mobile Reminder & Timer App

Kotlin, Android SDK

- Developed Android application combining reminder and timer functionality for task management

Notee - Lecture Link Manager

Vue.js, MongoDB

- Built web application for students to access online lecture meeting links

LEADERSHIP & COMMUNITY INVOLVEMENT

SLIIT FOSS Community

Secretary & Dev Team Member

March 2024 - Present

- Lead development initiatives and coordinate open-source projects with 15+ active contributors
- Organize technical workshops and hackathons to promote FOSS culture

Mozilla Campus Club of SLIIT

Secretary & Dev Team Member

May 2024 - Present

- Foster open-source collaboration and web technology education

AIESEC in SLIIT

Team Leader - Outgoing Global Talent (oGTe)

January 2024 - Present

- Lead team coordinating international internship opportunities

SLIIT Faculty of Computing Students Community

Committee Member

April 2024 - Present

EDUCATION

Sri Lanka Institute of Information Technology (SLIIT)

BSc (Hons) in Software Engineering

February 2023 - August 2027 (Expected) | CGPA: 3.7/4.0

ACHIEVEMENTS & RECOGNITION

- Dean's List Recognition - Year 2 Semester 2, SLIIT
- Batch Representative - SLIIT Software Engineering
- Winner - Mini Hackathon, Microsoft Club SLIIT
- Sub Committee Member - Faculty of Computing Students Community

CERTIFICATIONS

Introduction to Prompt Engineering - GitHub (June 2024)

Mobile App Development: Android Development for Beginners - SimpliLearn (July 2024)

Introduction to Career Skills in Data Analytics

LANGUAGES

English (Professional), Sinhala (Native), Tamil (Conversational)