

ARSHED AHMED

Software Engineer | Full Stack Developer | Node.js, TypeScript, Next.js

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PROFESSIONAL SUMMARY

Software Engineer and Full Stack Developer with 4+ years of combined experience building scalable SaaS products with Node.js, TypeScript, React and Next.js. Delivered Stripe billing (subscriptions, one-time payments, proration) across 10+ products, plus WhatsApp AI chatbots and LLM-powered features. Strong in system design, OOP, design patterns, SDLC and test-driven development. Launched SLMarket, a multilingual marketplace with a POS/ERP companion, and uses AI coding tools (Claude Code, GitHub Copilot, Cursor) alongside own architecture and code review.

TECHNICAL SKILLS

Core Stack: Node.js, TypeScript, JavaScript, React, Next.js, Express.js, MySQL, Laravel, PostgreSQL, MongoDB, Stripe, Docker

Engineering: Scalable Architecture, System Design, OOP, Design Patterns, SDLC, TDD, Agile/Scrum, REST API Design, Code Review

Frontend: React, Next.js, Vue.js, HTML5, CSS3, Tailwind CSS, Bootstrap

Backend & Databases: Express.js, JWT Authentication, Role-Based Access Control, Prisma ORM, PostgreSQL, MongoDB, MySQL, Redis, SQL

AI & Integrations: OpenAI API, Groq LLM, Whisper, DIFY.ai, Prompt Engineering, LLM Chatbots, Stripe (Subscriptions, Webhooks, Proration, Refunds), Twilio, WhatsApp

AI-Assisted Development: Claude Code, GitHub Copilot, Cursor

Testing & DevOps: Jest, Unit and Integration Testing, Git, GitHub Actions, CI/CD, Docker, AWS, Vercel

Also Familiar With: Python, Java, PHP, Spring Boot, Inertia.js, Flask, FastAPI, Firebase, Jenkins, Postman, Cloudinary, cPanel

PROFESSIONAL EXPERIENCE

Software Engineer | Softsora (Pvt) Ltd

Mar 2025 - Jul 2026

- Built and deployed scalable Node.js, Express.js and MongoDB services consumed by Next.js and TypeScript frontends across 10+ client SaaS products, with production releases every sprint.
- Implemented Stripe billing (subscriptions, one-time payments, automated proration, webhooks and refunds), processing 200+ transactions across 10+ products.
- Designed and documented secure, scalable REST APIs and core business logic, enabling frontend engineers to ship faster.
- Applied test-driven development with Jest unit and integration tests covering payment and API logic on an AI chatbot SaaS platform, reducing release regressions.
- Worked across the full SDLC (requirements, design, development, testing, deployment) in Agile sprints with frontend engineers.
- Built responsive Next.js and TypeScript interfaces with Tailwind CSS on top of the REST APIs.

Associate Software Engineer | Softsora (Pvt) Ltd

Aug 2024 - Feb 2025

- Launched AI chatbot solutions for a leading oven company, providing oven instructions and recipes, by integrating DIFY.ai workflows with custom Next.js interfaces styled with Tailwind CSS.
- Automated customer interactions by developing and deploying a WhatsApp AI chatbot with Python, LLM APIs and Twilio.
- Sped up frontend and backend collaboration by building reusable components in a shared monorepo, shipping production releases every sprint.

Full-Stack Developer | SLMarket

Aug 2026 - Present

- Designed, built and launched two products solo: a multilingual marketplace (slmarket.lk) and SLMarket Flow, a real-time POS/ERP (see Selected Projects).
- Applied TDD with unit and integration tests, automated releases with GitHub Actions CI/CD, and added role-based authorisation and Redis caching.
- Used AI coding tools (Claude Code, GitHub Copilot, Cursor) for scaffolding and refactoring while owning architecture, security and code review decisions.

Freelance Software Developer | Self-employed

Jul 2022 - Aug 2024

- Delivered client web applications end-to-end, from requirements to deployment, using React, Node.js, Express.js and Spring Boot.

- Built a sales counting and analysis tool that replaced a client's manual process.

Software Engineer Intern | Elzian Agro (Pvt) Ltd

Jan 2022 - Jul 2022

- Contributed across the SDLC, building full-stack features with the MERN stack, including REST APIs and database operations, for enterprise applications.

TEACHING & ENTREPRENEURSHIP

Course Instructor & Founder | Solitrium Academy

2025 - Present

- Taught full-stack development, OOP, system design, SDLC and Git; guided 20+ BIT final-year projects through code review.

Junior Lecturer / Demonstrator (Part-time) | Earth University College

Mar 2023 - Jul 2025

- Taught Web Development, UX Design, Programming, OOP, system design, SDLC and Mathematics; led Java and web lab sessions.

SELECTED PROJECTS

SLMarket Ecosystem: Marketplace and Real-Time POS/ERP | <https://slmarket.lk> | <https://flow.slmarket.lk>

Marketplace: Next.js, TypeScript, Tailwind CSS, PostgreSQL, Prisma, Redis, Cloudinary, GitHub Actions, Vercel

SLMarket Flow: Laravel, PHP, Vue.js, Inertia.js, MySQL, GitHub Actions, cPanel

- Designed, built and launched a two-product ecosystem solo: a multilingual marketplace connecting buyers and sellers across Sri Lanka, and SLMarket Flow, a real-time POS with ERP features that extends the seller workflow into daily operations.
- Secured both products with authentication, role-based authorisation and end-to-end order workflows, with locale-based routing and content translation for a multi-language audience.
- Automated releases with GitHub Actions CI/CD for both products, deployed on Vercel (PostgreSQL) and cPanel (MySQL), with media on Cloudinary and unit and integration tests protecting core marketplace flows.
- Improved performance and maintainability with a modular, scalable architecture, an optimised relational schema and Redis caching.

AI Business Support SaaS Platform | Softsora (Pvt) Ltd | Express.js, Next.js, Stripe

- Contributed to a production SaaS platform of multiple AI chatbots supporting businesses with grants and funding guidance, building features across the Express.js backend and Next.js frontend.
- Owned the Stripe payments layer end-to-end (one-time payments, subscription billing, automated proration charges and refunds).
- Gave the team live visibility into transactions, subscriptions and refunds by building a real-time Stripe payments dashboard.

AI CV Builder & Interview Preparation Platform | Next.js, TypeScript, PostgreSQL, Prisma, Groq LLM, Whisper

- Built ATS-friendly resume generation, parsing and job-description optimisation with Next.js and LLMs.
- Gave candidates instant interview feedback by building a voice-based AI mock interview flow with speech-to-text, LLM-generated feedback and text-to-speech.

EDUCATION

Bachelor of Information Technology | University of Colombo School of Computing

2021 - 2024

Coursework: Web and Mobile Development, OOP, Java, Agile Principles. Final project: web-based inventory, supplier and customer management system for a large-scale business.

Bachelor of Science in Physical Science | University of Colombo

2022 - 2025

Coursework: Computer Science, Statistics, Applied Mathematics, Physics. Final project: AI programming assistant for VS Code.

Degree certificates attested.

CERTIFICATIONS

- Ethical Hacker | Cisco Networking Academy | 2026
- Security Fundamentals | Palo Alto Networks | 2026
- Jenkins and Docker | School of DevOps (Udemy) | 2026

LANGUAGES

English (Professional) | Sinhala (Native) | Tamil (Native) | Arabic (Basic)