AKSHAY.ET

+91 7994694887 ⋄ Perinthalmanna, Kerala

✉ akshayramadaset@gmail.com ⋄ 🔗 [Linkedin](#) ⋄ [github](#) ⋄ 🌐 [akshayramadas.com](#)

SUMMARY

Dedicated and results-oriented Software Engineer with expertise in MERN stack development and Embedded Systems. Passionate about applying logical reasoning and coding skills to design innovative, scalable solutions for real-world challenges. Committed to driving business performance by contributing to organizational goals through adaptable, efficient, and collaborative work.

SKILLS

Programming & Frameworks: JavaScript, TypeScript, Kotlin, Java, C, Node.js, Express.js, React.js, Next.js, Handlebars.js, Mongoose, Shadcn, Android Development (Kotlin)

Databases: MongoDB, NoSQL, Database Design

Cloud & DevOps: AWS Services (S3, EC2, Elastic Beanstalk, Load Balancer, SQS, IAM, Amplify, AWS CLI, Route 53, CloudWatch), Docker Containerization, Self-Hosting, Coolify, Infisical, CI/CD

Web & Tools: HTML, CSS, Tailwind CSS, AJAX, REST APIs, Razorpay, Stripe, Shopify Partner + Admin API, Amazon SP-API, Socket.IO, WebRTC, PeerJS, LiveKit Data Transfer, Gemini AI, Gemini Voice Agent, Linux, Raspberry Pi, Git, GitHub, Visual Studio Code, Cursor, Figma

Expertise: Data Structures and Algorithms, Object-Oriented Programming (OOP), Debugging, UI Designing, API Development, Cloud Infrastructure

Methodologies: Agile, SDLC, Project Management, Software Architecture

Soft Skills: Logical Reasoning, Analytical Thinking, Problem Solving, Communication, Teamwork, Adaptability, Creativity, Flexibility, Leadership

Other Skills: Graphic Design, Adobe Photoshop, Adobe Premiere Pro, Photography

EXPERIENCE

Jr. Software Engineeer   Sep 2024
Bostrix, Inc   *Manjeri, Kerala*

- As a Jr. Software Engineer at a US-based startup, I collaborate with senior engineers from MNCs to deliver scalable solutions using the MERN stack. I led two projects and actively contributed to several others, including OAuth-based APIs for multi-channel e-commerce and AI-powered personal/voice assistants with the Gemini API. My role spans the full development lifecycle, with a focus on quality, performance, and seamless integration.

PROJECTS

Voxify (Current) : AI-Powered Language Learning App Developed a mobile application for immersive language learning with AI voice agent assistance. Implemented real-time conversational practice (phone-call style with native accents) using LiveKit, Gemini-powered voice interaction, and interruption handling. Designed structured syllabi for vocabulary growth through real-world scenarios, integrated session room management, user progress tracking, and built a TypeScript + Express.js backend for scalable performance.

AI Assistant: Personalized AI Companion Built an AI-powered assistant (similar to ChatGPT/Gemini) using the Gemini API as the backend. Designed features for personalized conversations by allowing users to save their personality traits, enabling the assistant to respond in a tailored manner. Integrated emotional intelligence for mental support and friend-like interactions, creating a blend of productivity aid and empathetic companionship.

Ecom Seller Analytics Platform – Unified Multi-Channel Management Built a comprehensive analytics platform for e-commerce sellers to manage multiple sales channels in one place. Features include team admin management, multi-organization support, real-time order and chart streaming, advanced filtering, and unified control of Shopify Amazon SPAPI integrations. Developed with TypeScript, React (shadcn), MongoDB, Socket.IO, AWS services, and third-party APIs for scalable and real-time performance.

Job Seeking Platform: Developed a full-stack job portal enabling medical professionals to find jobs based on qualifications and allowing employers to post openings. Implemented advanced filtering, job completion workflows, secure payments (Stripe), geo-location features, and admin controls. Built with Node.js, Express, MongoDB, React, and Material UI for scalable, user-friendly performance.

Student Management System. Developed a comprehensive software solution to digitalize the entire institution, encompassing both administrative and academic operations. Key features include attendance management, inter-institutional mail system, chat functionality, video conferencing for online classes, gate pass system, and assignment handling. The application was built using modern technologies, including Node.js, React.js, TypeScript, MongoDB, and Express.js

Shopy. Developed an e-commerce application enabling users to browse and shop products online, ensuring a seamless and user-friendly shopping experience, built using Express.js, Handlebars.js, MongoDB, and jQuery.

K-OPS Collaborated on a project for the Kerala Public Service sector, developing a user-friendly platform that enables citizens to seamlessly interact with various government services.

EDUCATION

Bachelor of Computer Science and Engineering, APJ Abdul Kalam Technological University   2020 - 2024
Object-Oriented Programming (OOP), Data Structures and Algorithms, Database Management Systems (DBMS), Operating Systems, Computer Networks, Web Development Web Programming, Software Development Software Engineering, Software Architecture SDLC, Agile Methodology Project Management, Cloud Computing Distributed Systems, Machine Learning

Higher Secondary Education - Computer Science (PCMCS), RMHSS School Melattur   2018 - 2020
Relevant Coursework: Computer Science, Physics, Chemistry, Mathematics

High School - Science, RMHSS School Melattur   2017 - 2018

EXTRA-CURRICULAR ACTIVITIES & CERTIFICATIONS

- NASA Galactic Problem Solver - Nasa space apps hackathon

- Participated in "24 hr Coding Guinness World Record Event" Conducted By AICTE ,BUDDI.AI, NEAT, GUVI