

ADARSH S PILLAI

Full Stack Engineer - MERN

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PROFESSIONAL SUMMARY

Full Stack Engineer with 3+ years of experience building scalable SaaS platforms, AI-powered applications, and production-ready web systems using React, Node.js, TypeScript, MongoDB, and cloud technologies. Experienced in designing multi-tenant architectures, subscription and marketplace systems, AI/LLM integrations, real-time communication, and cloud-native microservices. Strong focus on performance optimization, API design, automation, and delivering maintainable production-grade solutions.

SKILLS

Languages: JavaScript, TypeScript, HTML5, CSS3, SCSS

Frontend: React.js, Next.js, Redux, Redux-Saga, Tailwind CSS, Mantine, Material UI

Backend: Node.js, Express.js, REST API Design, Socket.IO, JWT, Webhooks, Swagger/OpenAPI

Databases: MongoDB (Mongoose), PostgreSQL, Firebase

Cloud & DevOps: AWS (Lambda, S3), Google Cloud Platform, Docker, GitHub Actions/CI

Architecture: Microservices, Serverless, Event-Driven, Multi-tenant, SOLID

Integrations & APIs: Stripe, Razorpay, Twilio, Zoho CRM, LLM APIs (Anthropic/OpenAI)

Testing & Quality: Jest, Unit & API Testing, Postman, Code Reviews, Logging & Monitoring

Tools & Workflow: Git/GitHub, Jira, Agile/Scrum, Claude Code, GitHub Copilot

EXPERIENCE

Software Engineer - Haspaces, Thiruvananthapuram

June 2023 - September 2026

OCTAGNT(Agentic AI Candidate Shortlisting Platform):

- Integrated OpenAI APIs for AI-powered job description generation, reducing manual effort by ~70%.
- Built a standalone AI Voice Interview Agent microservice on GCP, integrating Twilio, Google Speech-to-Text, Text-to-Speech, and xAI Grok Voice.
- Integrated Zoho CRM for automated lead creation and client workspace provisioning.
- Dockerized backend services and supported AWS deployments using S3, Lambda, and CI/CD workflows.
- Leveraged Claude Code and GitHub Copilot for development, debugging, code review, and rapid prototyping.

SKILLKEEPR — HR & Recruitment SaaS

- Engineered a multi-tenant HR SaaS platform with RBAC across HR, Talent, Recruiter, and Admin modules.
- Built Stripe subscription billing and a modular marketplace with upgrades, renewals, usage tracking, webhooks, coupons, add-ons, and plan-based access controls and usage limits.
- Built a Boolean search engine using MongoDB aggregation and compound indexes, supporting AND/OR/NOT, nested queries, and field-level filters.
- Led Node.js v16 to v18 migration, dependency upgrades, and regression testing.
- Resolved critical production issues within 24 hours, improving platform reliability.
- Created architecture diagrams and technical documentation for complex workflows and integrations.
- Shipped real-time live interview features by integrating Jitsi with WebSocket-backed signalling to support scheduled candidate interview sessions.

EDUCATION

BSc Computer Science - 2019 - 2022

Sree Ayyappa College, Eramallikkara, Chengannur

Grade - 80%