

# Akshay Jyothi P

**Full Stack Developer | Node.js | React | AWS | Microservices**

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## PROFESSIONAL SUMMARY

Results-driven **Full-Stack Software Engineer (MERN / Node.js / Next.js)** with 2+ years of experience designing and deploying **SaaS, automation, and data-driven platforms**. Proven success in delivering **end-to-end MVPs**, integrating REST APIs, and deploying cloud-native systems on **AWS**. Skilled in **Node.js, React, PostgreSQL, MongoDB, and Docker**, with a strong grasp of **system architecture, Continuous Integration/Continuous Deployment (CI/CD) Pipeline, and microservices**. Passionate about building internal tools and scalable business platforms that streamline operations and improve efficiency.

## TECHNICAL SKILLS

- **Languages:** JavaScript, TypeScript, HTML5, CSS3.
- **Frontend:** React.js, Next.js (v14), Redux Toolkit, Tailwind CSS, Responsive Design, TanStack Query.
- **Backend:** Node.js – Advanced, Express.js, RESTful APIs, WebRTC, Socket.io, JWT Authentication.
- **Databases:** MongoDB, MySQL, PostgreSQL, Redis (Caching & Session Management).
- **Cloud & DevOps:** AWS EC2, Docker, Kubernetes, NGINX, PM2, Cloudflare, Firebase, Continuous Integration/Continuous Deployment (CI/CD) Pipeline.
- **Architecture & Core Skills:** Scalable Microservices, Cloud-Native Applications, Event-Driven Architecture, API Gateway, System Design, API Integrations, Clean Architecture, MVC Pattern
- **Tools & Version Control:** Git, GitHub, Postman, Agile/Scrum, Jest.
- **Specialized Technologies:** Apache Kafka (Message Broker), Prisma ORM, Stripe Connect, Razorpay, TensorFlow.js.

## PROFESSIONAL EXPERIENCE

### Freelance Full-Stack Developer - *Remote*

*Mar 2024 - Present*

Delivering custom web solutions for small businesses and startups

- **Dental Clinic Management System:** Developed appointment booking, patient tracking, and billing modules with role-based access control and automated notifications.
- **E-Commerce Prototypes:** Built responsive online stores with payment gateway integration (Stripe/Razorpay) and inventory management features.
- **Portfolio Websites:** Deployed multiple client sites using Next.js, Tailwind CSS, and AWS EC2 with optimized performance and SEO.
- **Payment Integration:** Implemented secure checkout flows with Stripe and Razorpay APIs, handling transaction processing and error handling.

*Independent development projects focused on full-stack architecture, cloud deployment, and real-world problem solving.*

### Full-Stack Development Program - *Brototype, Thiruvananthapuram, India*

*Dec 2023 - Mar 2025*

Intensive project-based training with production-grade deliverables and industry mentorship

- Built and deployed **three production-grade platforms** (SaaS, real-time social, e-commerce) using **Node.js, React, Next.js, and AWS**.
- Designed **scalable architectures** with microservices, Docker, and Kafka; automated CI/CD with **GitHub Actions**, cutting deployment time by **83 %**.
- Integrated **Stripe, Razorpay, and OAuth authentication**, improving platform security and automation.
- Gained hands-on experience in **cloud deployment, database optimization**, and **real-time communication** using Socket.io.

- Strengthened core programming through **data structures & algorithms**, daily **LeetCode practice**, and **peer code reviews** focused on scalable design.

### Project Expeditor - AUM International FZE, Sharjah, UAE

Jan 2022 - Nov 2023

- Coordinated global suppliers (Germany, UK, China, UAE), reducing project timelines by 30% and costs by 20%.
- Presented projects to a major UAE oil & gas firm alongside the company Director.
- Mentored a junior team member, improving handovers and team productivity.

## PROJECTS

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### Multi-Vendor E-Commerce

[GitHub](#) | [Demo](#)

Enterprise-level SaaS ecosystem featuring User, Seller, and Admin applications built on microservices architecture.

- Architected **8+ microservices** with **Node.js**, **Prisma ORM**, **Redis**, and **Kafka**, improving scalability and system isolation.
- Automated **CI/CD pipelines** via **NX Monorepo + GitHub Actions**, reducing deployment time by **83%**.
- Integrated **Stripe Connect** and **OTP-based authentication**, enhancing transaction security and platform automation.
- Implemented **real-time analytics pipeline** (Kafka → DB → ML), enabling data-driven insights from 10+ events/session.
- Deployed containerized services on **AWS EC2 + Docker**, achieving **99.9% uptime** and 30% faster data retrieval through caching with **TanStack Query**.

**Tech Stack:** Next.js | Node.js | Express.js | MongoDB | Prisma | Kafka | Redis | TensorFlow.js | Stripe | AWS | Docker | GitHub Actions

### Connectia - Real-Time Social Connection Platform

[GitHub](#) | [Live](#)

Full-stack real-time communication platform enabling secure social interactions and live chat.

- Developed **JWT + Google OAuth authentication**, **Razorpay premium chat payments**, and **Socket.io** real-time messaging.
- Optimized **backend APIs and MongoDB queries**, reducing server latency by **30%**.
- Deployed front-end (React + NGINX) and back-end (PM2 + WebSocket) on **AWS EC2**, ensuring seamless scalability and uptime.
- Followed **Agile/Scrum** methodology with sprint reviews, testing, and code collaboration.

**Tech Stack:** React | Node.js | Express.js | MongoDB | Socket.io | Razorpay | AWS EC2 | NGINX | PM2 | Cloudflare DNS

## EDUCATION

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**MERN Stack Developer Bootcamp**, Prototype - Kerala (Jan 2024 - Mar 2025)

**B.TECH, Mechanical Engineering**, Caarmel Engineering College - Kerala (Aug 2014 - Nov 2018)

## CERTIFICATIONS

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**Full Stack Web Development**, Future Interns - Jun 2025 | ID: FIT/MAY25/FS2001

**JavaScript Specialist**, HackerRank - May 2025 | ID: 6953CE673CE6

**JavaScript**, NamasteDev - Jun 2025

## ADDITIONAL DETAILS

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**Languages:** English (Professional), Malayalam (Native), Hindi (Conversational)

**Availability:** Immediate

**License:** UAE Driving License

**Work Authorization:** Visit Visa - Seeking Employment Sponsorship

**Nationality:** Indian