

Abhay Milan

Full-Stack Developer

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SUMMARY

Full-stack software engineer with 3 years of experience building scalable SaaS applications on the MERN stack. Strong expertise in React, TypeScript, Next.js, and Node.js, delivering secure, high-performance systems. Experienced in RESTful API design, cloud deployments, and workflow automation with n8n.

EXPERIENCE

Software Engineer (Via Orieal)

May 2023 – Present

Trentec Systems

Trivandrum

- Lead developer for the OneMap geospatial platform for Trinity Solar (U.S.), delivering high-performance features using React.js, TypeScript, deck.gl, and Mapbox.
- Engineered optimized rendering for 100,000+ geospatial points, improving map performance and interaction speed.
- Implemented AABB bounding box pre-filtering for spatial queries, reducing circle-based filtering from 20s to 5s (80% improvement).
- Built advanced polygon drawing, editing, and spatial analysis tools using Turf.js with reusable TypeScript components.
- Developed real-time job acceptance workflow with Skedulo integration, enabling sales reps to accept pending appointments directly from the map.
- Built interactive analytics dashboards including sales leaderboards, state-wise performance, and funnel views with drill-down capabilities.

Software Engineer

May 2023 – Present

Orieal Technologies

Kochi

- Built and maintained full-stack SaaS applications using Next.js, Node.js, PostgreSQL, and MongoDB.
- Building a multi-tenant restaurant analytics SaaS platform with role-based access and subscription workflows.
- Implemented workflow automations using n8n to process reports and reduce manual operations.
- Deployed backend services on AWS EC2 and implemented secure file storage using AWS S3 and Cloudflare R2.
- Worked directly with U.S.-based clients for requirements gathering and delivery of production-ready features.

Full-Stack Developer

Feb 2023 – March 2024

MillionBytes

Kochi

- Developed full-stack features using Node.js, Express.js, React.js, and REST APIs for internal and client-facing applications.
- Integrated Swedish digital identity provider Verified for AML/KYC, secure document verification, and token-based authentication.
- Designed backend authentication flows, data processing logic, and multi-client integration layers.
- Collaborated with international teams to deliver stable, maintainable API-driven solutions with improved reliability.

Software Engineer

October 2022 – Jan 2023

100devs

Remote

- Built full-stack applications using Node.js, Express.js, MongoDB, and React.js following clean code standards.
- Developed responsive UI components and modular backend services with RESTful API design.
- Worked in Agile teams delivering features through sprint cycles, code reviews, and collaborative workflows.

EDUCATION

Bangalore University

Bangalore, India

Bachelor of Computer Application

2019 – 2022

PROJECTS

AskYourSenior <i>Next.js, TypeScript, Node.js, Redux Toolkit, AWS EC2, AWS S3, Razorpay</i>	2024
<ul style="list-style-type: none">– Built a peer-to-peer mentorship booking platform connecting students planning to study abroad with seniors already studying overseas.– Implemented user role flows for juniors and seniors, including profile management, availability scheduling, and appointment booking.– Integrated Razorpay payment gateway to handle secure session payments, order creation, and payment verification workflows.– Designed and developed REST APIs and backend business logic to manage bookings, payments, and session lifecycle workflows.– Deployed backend services on AWS EC2 and integrated AWS S3 for secure media storage.	
Fotify <i>Node.js, Express.js, PostgreSQL, Next.js, AWS EC2</i>	2024
<ul style="list-style-type: none">– Built backend APIs and admin panel for a photographers' association management platform.– Designed database schemas and REST APIs for hierarchical organizational and member management.– Implemented role-based access control, authentication, and core administrative workflows.– Deployed backend services on AWS EC2 and supported mobile app integration.	
So Skilled <i>Node.js, Express.js, MongoDB, JWT, TypeScript</i>	2024
<ul style="list-style-type: none">– Built backend architecture for a skill-sharing marketplace with secure JWT authentication.– Designed REST APIs for booking flows, user management, and payments.– Optimized database queries and schema design for scalable usage.	
Resort Workflow Automation <i>n8n</i>	2024
<ul style="list-style-type: none">– Built two Telegram-based automation workflows for booking entry and payment tracking at a single-property resort (20 bookings/month).– Booking automation reduced entry time from 5 minutes to 30 seconds (97.5% improvement) by replacing laptop-dependent dashboard with mobile-accessible bot interface, enabling bookings from anywhere.– Employee advance payment tracker automated manual record-keeping through Telegram messages syncing to Google Sheets for month-end reconciliation.– Achieved zero-training deployment with immediate production adoption, demonstrating practical automation and user-centric problem-solving.	
Verified Integration <i>React.js, REST API, Node.js</i>	2022
<ul style="list-style-type: none">– Integrated third-party KYC/AML identity verification provider into internal systems.– Handled secure token-based authentication and API communication.– Delivered production-ready flows with minimal post-deployment issues.	
Personal Projects <i>Next.js, MERN, AI Integrations</i>	2020 – Present
<ul style="list-style-type: none">– Got An Idea – Idea sharing platform with JWT authentication and webhook-based updates.– PromptPal – Prompt-sharing platform with NextAuth authentication and role-based flows.– Plant Community App – MERN application with AI-based plant species identification.– CinePhileflix – Movie trailer showcase built using React.js.	

TECHNICAL SKILLS

- **Frontend:** React.js, Next.js, TypeScript, JavaScript (ES6+), TailwindCSS, Redux Toolkit, Zustand, Ant Design
- **Backend:** Node.js, Express.js, REST APIs, JWT Authentication, Prisma
- **Cloud:** AWS EC2, AWS S3, Cloudflare R2, Vercel, Netlify
- **Databases:** PostgreSQL, MongoDB
- **Geospatial:** Deck.gl, Mapbox, Turf.js, GeoJSON, MVT
- **Tools:** Git, GitHub, Jira, Postman, n8n