

# Abhay Milan

## Full-Stack Developer

[abhaymilan8@gmail.com](mailto:abhaymilan8@gmail.com) | [+91 9074898634](tel:+919074898634) | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

### 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** | *Next.js, TypeScript, Node.js, Redux Toolkit, AWS EC2, AWS S3, Razorpay* 2024
- 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** | *Node.js, Express.js, PostgreSQL, Next.js, AWS EC2* 2024
- 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** | *Node.js, Express.js, MongoDB, JWT, TypeScript* 2024
- 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** | *n8n* 2024
- 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** | *React.js, REST API, Node.js* 2022
- 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** | *Next.js, MERN, AI Integrations* 2020 – Present
- 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.
  - CinePhilefix – 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