

# Rahul Tiwari

Senior Full Stack Engineer · AI & Cloud Systems

Surat, Gujarat, India · +91 83066 14512 · rahhhhul.dev.tiwari@gmail.com · linkedin.com/in/rahhhultiwari · github.com/rahhhulhere

## PROFESSIONAL SUMMARY

Senior Full Stack Engineer with 5+ years of experience designing and shipping scalable, distributed systems across Fintech, Travel & Hospitality, Logistics, and AI/ML domains. Deep expertise in the MERN stack, microservices architecture, and event-driven platforms using Confluent Kafka and AWS Lambda. Proficient in Python-based AI/ML pipelines leveraging LLMs, NLP, PyTorch, and LangChain. Proven track record of leading end-to-end delivery from system design and API development to CI/CD automation and production monitoring at companies serving millions of users globally.

## TECHNICAL SKILLS

|                       |                                                                                                               |
|-----------------------|---------------------------------------------------------------------------------------------------------------|
| Languages             | JavaScript (ES6+), TypeScript, Python, SQL                                                                    |
| Frontend              | React.js, Next.js, Vue.js, Angular.js, Redux, Redux Saga, Redux Toolkit, RxJS                                 |
| Styling               | Tailwind CSS, SASS, Bootstrap 5, Material UI, Ant Design                                                      |
| Backend               | Node.js, Express.js, Nest.js, Python (Flask, Django, Odoo), CodeIgniter                                       |
| AI / ML               | LLMs, LangChain, PyTorch, TensorFlow, Scikit-learn, NLP, NLTK, Pandas, NumPy, PySpark                         |
| Databases             | PostgreSQL, MongoDB, MySQL, Firebase, Snowflake, Vector Database                                              |
| Cloud & DevOps        | AWS (Lambda, EC2, CloudWatch), Microsoft Azure, Docker, Kubernetes, CI/CD, GitHub Actions, Jenkins, Terraform |
| Messaging & Streaming | Confluent Kafka, Google Pub/Sub, WebSockets, Event-Driven Architecture                                        |
| APIs & Integrations   | RESTful APIs, GraphQL, FastAPI, SOAP, Stripe, Razorpay, PayPal, Twilio, SendGrid, Firebase FCM                |
| Mobile                | React Native, Flutter, Kotlin                                                                                 |
| Testing & Tooling     | Jest, Supertest, Cypress, Postman, Husky, Git, GitHub                                                         |

## PROFESSIONAL EXPERIENCE

### Evolve AI (Freelance /Luxury Yacht Group)

Sep 2025 – May 2026

Senior Software Engineer · Remote

- Designed and built a full-stack yacht management platform (LYG) using the MERN stack, covering bookings, real-time vessel tracking, payroll, accounting, and captain-hiring workflows.
- Developed secure, versioned RESTful APIs with role-based access control (JWT/OAuth) and integrated Kafka for asynchronous event processing across booking and operations modules.
- Built a React.js dashboard with Next.js SSR for fast, intuitive UX; managed self-hosted production servers ensuring high availability and smooth traffic scaling.
- Incorporated LLM-powered features to assist yacht managers with intelligent scheduling and decision support.
- Stack: Node.js · Express · PostgreSQL · React.js · Next.js · Confluent Kafka · LLM · Self-Managed Servers

## La Net Team Software Solution

Jan 2024 – Sep 2025

### Full Stack Software Developer · Remote

- Architected and led the NPD → OPD backend migration for Priority Pass, a global airport lounge service with millions of members, optimizing service performance and reducing operational latency.
- Built a Personalization Service on Snowflake for real-time data processing and analytics, delivering targeted consumer experiences and improving engagement metrics across the platform.
- Implemented event-driven microservices with Confluent Kafka, enabling high-throughput, real-time communication between distributed services and third-party systems.
- Integrated Airship for personalized push notifications, improving customer re-engagement and communication touchpoints.
- Designed and deployed CI/CD pipelines with GitHub Actions, Docker, and Terraform; enforced code quality gates via Husky and Jest unit testing.
- Stack: Node.js · MongoDB · PostgreSQL · Express.js · Confluent Kafka · Snowflake · GraphQL · Airship · Docker · Terraform · GitHub Actions · Jest

## Grab The Site

Aug 2021 – Jan 2024

### Full Stack Developer · Surat, Gujarat

- Integrated multi-carrier logistics APIs FedEx, UPS, DHL, Canada Post, Canpar via SOAP and REST protocols, enabling real-time shipment tracking, rate calculation, and order management for an enterprise Logistics Portal.
- Built a Headless CMS solution with Next.js for Genextpet, delivering a dynamic blog engine and content management platform with strong SEO and editor UX.
- Developed backend services in Node.js with MongoDB and PostgreSQL; implemented a Vector Database and Open Source LLM pipeline for intelligent content search and recommendations.
- Maintained a microservices-based architecture with Docker, enforced pre-commit hooks via Husky, and implemented GraphQL APIs for flexible data querying.
- Stack: Next.js · React.js · Node.js · MongoDB · PostgreSQL · GraphQL · Vector Database · Open Source LLM · Docker · Husky

## KEY COMPETENCIES

- Distributed Systems Design
- Microservices & Event-Driven Architecture
- AI / ML Integration & LLM Development
- Cloud-Native & Serverless Patterns
- Real-Time Data Pipelines
- RESTful & GraphQL API Design
- Performance Optimization & Scalability
- CI/CD & DevOps Automation
- Cross-Functional Team Leadership
- Agile / Scrum Delivery

## EDUCATION

### Government Engineering College, Gandhinagar

Jul 2021 – Jul 2024

#### Bachelor of Engineering — Information Technology (Computer Engineering) · Gandhinagar, Gujarat

CGPA: 8.48 / 10.0

### Government Polytechnic College, Ahmedabad

Jul 2018 – Jun 2021

#### Diploma — Information Technology (Computer Engineering) · Ahmedabad, Gujarat

CGPA: 9.12 / 10.0

## INDUSTRIES

Fintech · Insurance · Travel & Hospitality · Logistics & Supply Chain · E-commerce · SaaS · Healthcare & HealthTech · Artificial Intelligence & Machine Learning · EdTech · Real Estate · Retail · Telecommunications · Biotech & Pharmaceuticals

## LANGUAGES & INTERESTS

**Languages:** English, Hindi   **Interests:** Travelling, Photography, Reading