

# TIMILEHIN ODUSANYA

## Full Stack Software Engineer

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### Summary

Full Stack Engineer with 6 years of experience building and shipping production-grade web and mobile applications. Expert in translating complex business needs into elegant, performant solutions using modern front-end technologies (**JavaScript, React, Next JS, React Native**) and robust back-end stacks (**Node JS, TypeScript, NestJS, .Net, Python**). Proven ability to design secure, production-ready APIs, implement cloud-native architectures on AWS; and optimize both SQL and NoSQL databases for reliability and performance, with a track record of delivering complex, high-performance real-world products, including **AI-powered and LLM-driven platforms** at scale. A collaborative leader and continuous learner who thrives in fast-paced, agile environments—consistently driving innovation, technical excellence, and user impact across every stage of the development lifecycle.

### Skills

TypeScript • JavaScript (ES6+) • React.js • Next.js • React Native • Redux • Zustand • Flux • Tailwind CSS • Styled Components • Shadcn • Framer Motion • GSAP • Jest • Node.js • SEO • Nest.js • Express.js • REST APIs • GraphQL • Mongo DB • PostgreSQL • OAuth 2.0 • JWT • Flask • Fast API • C# • .Net Core • AI Scripting • Python • Git • GitHub • CI/CD • AWS

### Experience



#### CLIMB (AI-Native Investment Bank) — Remote (Contract) Senior Full Stack AI Engineer

Maryland, United States  
09/2025 – 07/2026

AI-Native Investment Bank - Cap Raise, M&A, Embedded Corp Dev, and IPOs for the top 1% of startups.

- Led full-stack development of CLIMB's AI-native Founder CRM, building production-ready features across React, TypeScript, FastAPI, Node, PostgreSQL, and AWS for founders raising capital globally.
- Architected Gmail and Outlook integrations including OAuth authentication, token lifecycle management, background synchronization via Redis job queues, threaded messaging, scheduled email sequences, and attachment handling.
- Designed backend services and frontend interfaces powering warm investor introductions, connector workspaces, and shared networking systems, enabling trusted relationship-driven fundraising.
- Built AI-powered fundraising capabilities including streaming LLM chat, semantic search, contextual @mentions, and embedding-based knowledge retrieval for investor and contact discovery.
- Developed secure webhook infrastructure supporting agent-driven iMessage conversations, enabling AI-assisted communication workflows across multiple messaging channels.
- Designed scalable PostgreSQL schemas, implemented database migrations, optimized API performance, and built production logging pipelines to improve system reliability and observability.
- Deployed and maintained production services across AWS and Render while collaborating across product, AI, and engineering teams to deliver high-impact features in an agile environment.



#### DivVerse LLC (Lobby AI) — Remote Senior Full Stack Engineer

Round Rock, United States  
10/2023 – 08/2025

DivVerse LLC is an offshore engineering company providing high-quality outsourced development talent for global partner organizations.

- Led hands-on development of a large-scale AI-powered global talent management payroll, HR platform serving over **200,000 active users and 2,500+ companies**, using Node, React, TypeScript, Next.js, Python.
- Implemented comprehensive API security measures using OAuth 2.0 and JWT, safeguarding sensitive booking and payment data while ensuring secure integrations with third-party services with Node JS.
- Architected and built a scalable, AI-enabled job marketplace for the 3MTT initiative, integrating secure RESTful APIs, cloud-native services on AWS, and full-stack features to support discovery of opportunities, automated matching, and application workflows for millions of technically trained users.
- Integrated large language model-powered features, enabling AI-driven job description generation, candidate assessment, auto-scoring, and recruiter workflows via JavaScript/TypeScript-based API consumption.
- Optimized React rendering performance using memoization techniques (React.memo, useMemo, useCallback), reducing unnecessary re-renders and cutting CPU usage by approximately 35%.
- Designed frontend architecture leveraging Context API, Redux toolkits, advanced state management patterns, and server-side rendering in Next.js, improving SEO and reducing initial load times.
- Worked extensively in a remote, distributed engineering environment, following Git-based workflows, code reviews, testing standards, and CI/CD pipelines.
- Built internal microservices using .Net Core (C#), implementing RESTful endpoints and background processing jobs integrated with Node.js services to support scalable data transformation and automation workflows across the platform.



#### Voyatek Group — Remote Full Stack Developer

Calgary, Canada  
01/2023 – 12/2023

Technology consulting and product development company delivering custom digital solutions across travel, logistics, and enterprise platforms for global clients.

- Designed, developed and consumed robust RESTful APIs for the [www.discovatrrips.com](https://www.discovatrrips.com) and [GoPaddi \(https://www.gopaddi.com/en\)](https://www.gopaddi.com/en) platforms, enabling seamless global booking management across flights, restaurants, hotels, nightlife, and activities.
- Integrated third party systems, payment APIs, user authentication, authorization, OAuth and JWT, Models and database management for backend systems.
- Built complex booking flows for flight, hotel, restaurant, and vacations, delivering seamless experience across customer, agency, and admin interfaces.
- Integrated LLM-powered features and AI-assisted workflows into frontend applications, enabling intelligent search, content generation, and automated user interactions through JavaScript/TypeScript-based API consumption.
- Architected and integrated real-time audio, video, and in-app chat features using WebSockets, significantly improving engagement across user roles.
- Engineered scalable frontend architectures supporting real-time reservation updates, cancellations, and modifications, ensuring consistent UX and high operational reliability.
- Integrated third-party services, authentication and authorization flows (OAuth, JWT), and backend APIs while maintaining frontend performance and security.



Remote-first digital product studio building web and mobile applications for startups and businesses across Europe and North America.

- Built and maintained production-grade applications serving over 200,000 monthly active users, using JavaScript (ES6+), React, Redux, and Node JS, with a strong focus on UI performance, reliability, and maintainability.
- Implemented end-to-end user-facing interfaces for college admissions and selection platforms, enabling applicants to apply, track application status, and manage workflows through clean, intuitive React-based UIs.
- Developed and maintained scalable delivery management dashboards for over 10,000 business customers, supporting order creation, tracking, and monitoring through modular, reusable frontend components.
- Wrote and maintained automated tests using Jest, Enzyme, and Mocha, achieving approximately 85% test coverage and ensuring production stability during rapid feature iterations.
- Optimized frontend performance using Chrome DevTools and Lighthouse, identifying memory leaks, reducing unnecessary API calls, and improving page responsiveness by approximately 20%.
- Engineered .Net Core (C#) backend services to handle server-side business logic, data processing pipelines, and third-party API orchestration, reducing backend latency and enabling seamless integration with React-based frontend applications.

## Projects

### LoubyAI – Talent, HR, Payroll & Remittances Platform

Round Rock, United States

<https://app.louby.ai/>

10/2023 – 08/2025

**Tech:** JavaScript, TypeScript, Node, Express JS, React, Next.js, Mongo DB, PostgreSQL, React Native, Tailwind CSS, Redux, REST APIs, LLM-powered APIs

- Built a global AI-powered talent management, hiring, payroll, and remittances platform used by companies across Africa, delivering scalable, production-grade user interfaces using JavaScript, TypeScript, Node JS, React, and Next.js for web and mobile.
- Integrated LLM-powered features and AI-assisted workflows into the frontend, enabling intelligent job description generation, candidate evaluation, and automated recruiter interactions via JavaScript/TypeScript-based API consumption.
- Implemented authentication, authorization, automated payrolls, taxes, deductions, wallet/payment UIs, and complex dashboard workflows, integrating real-time APIs for responsive and reliable user experiences.

### 3MTT – Connect tech talent with global job opportunities

<https://3mtt.louby.ai/>

01/2025 – 03/2025

**Tech:** JavaScript, TypeScript, Node, Express JS, React, Next.js, Tailwind CSS, Redux, GraphQL, Mongo DB, PostgreSQL, LLM-powered APIs

- Built and scaled a national, AI-enabled career and job placement platform for the 3MTT (Three Million Technical Talent) initiative, enabling millions of trained technical professionals to discover opportunities, create profiles, and apply to roles through secure, high-availability digital services.
- Implemented secure authentication, authorization, and user profile management, along with complex dashboards for applicants and administrators.

### GoPaddi – Travel & Booking Platform

<https://www.gopaddi.com/>

07/2023

**Tech:** JavaScript, TypeScript, React, Node JS, Nest JS, React Native, Next.js, Zustand, GSAP, LLM-powered APIs, PostgreSQL

- Delivered a production-grade travel and booking solution covering flights, hotels, and experiences, using JavaScript, TypeScript, React, Express, Next.js, Redux.
- Architected a scalable Node.js (Express) backend with SQL-based transactional data models, optimizing queries and ensuring data consistency, reliability, and performance for high-volume booking and payment workflows.

### The Flex – Flexible Space Discovery

<https://flex-living-frontend-timi.vercel.app/>

02/2025 – 12/2025

**Tech:** JavaScript, TypeScript, React, Next.js, Styled Components, Tailwind CSS, LLM-powered APIs

- Developed a premium, mobile-first flexible space discovery frontend using JavaScript, TypeScript, React, and Next.js, enabling users to browse, filter, and explore available locations.

### CLIMB – AI-Native Investment Banking Platform

Remote

<https://app.champintro.com/>

09/2025 – Present

**Tech:** JavaScript, TypeScript, React, Next.js, Tailwind CSS, REST APIs, Python, Flask, LLM-powered APIs

- Designed and implemented interfaces for CLIMB, an AI-native investment banking platform helping African technology companies raise capital efficiently, using JavaScript, TypeScript, React, Python and Next.js.
- Integrated LLM-driven and AI-native workflows into the user interface, supporting intelligent data analysis, automated financial insights, and end-to-end professional service automation through frontend consumption of LLM APIs.
- Built scalable, modular microservices architecture focused on performance, clarity, and maintainability for complex financial and investment workflows.

### Discovatrips – Membership Travel Experience Platform

Calgary, Canada

<https://www.discovatrips.com/>

02/2023

**Tech:** JavaScript, TypeScript, React, Next.js, Stateful UI Architecture, Zustand, Framer Motion, GSAP

- Built user-facing interfaces for a membership-based travel experience platform, including trip discovery, dashboards, and activity booking flows using JavaScript, TypeScript, React, and Next.js.

## Education



University of Agriculture, Abeokuta

Abeokuta, Nigeria

Bachelor of Science (B.Sc.) - Computer Science

04/2017 – 02/2023



ALX Holberton School

Remote

Diploma Full Stack Software Engineering

09/2022 – 09/2023