

ABHISHEK T K | AI & Full-Stack Software Engineer

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AI/LLM Applications | React.js | Node.js | TypeScript | LangChain | REST APIs | AWS

PROFESSIONAL SUMMARY

Software Engineer with 3+ years of experience building production applications, SaaS platforms, AI-powered applications, REST APIs, and customer-facing digital solutions. Hands-on experience integrating LLMs into backend applications using LangChain, vector databases, embeddings, and retrieval-based workflows, along with AI integrations using AWS Bedrock and OpenAI APIs. Strong full-stack foundation across React.js, Node.js, TypeScript, MongoDB, AWS, and microservices. Experienced in understanding business requirements, translating ambiguous problems into technical solutions, working across engineering and product teams, and delivering solutions for multiple client environments.

AI & LLM EXPERIENCE

- Built server-side LLM-powered chatbot functionality using LangChain, LLM APIs, vector databases, embeddings, and retrieval-based workflows to provide context-aware responses from application data.
- Worked with Retrieval-Augmented Generation (RAG) concepts including document chunking, embeddings, vector search, and retrieval workflows for grounding LLM responses in relevant information.
- Integrated AI capabilities into web applications and backend services through secure APIs, connecting LLM workflows with existing application logic, databases, and user-facing interfaces.
- Integrated AWS Bedrock into client applications to enable AI-powered functionality while working with existing REST APIs, backend services, and frontend applications.
- Built an AI-powered WordPress product using React.js, PHP, WordPress, and OpenAI API to automate page-section generation and reduce repetitive development work.

PROFESSIONAL EXPERIENCE

Full Stack Developer

April 2026 – Present

TrueLift, Mangalore, India

- Contributed to a SaaS marketing measurement platform using MongoDB, Express.js, React.js, and Node.js, working across frontend, backend, analytics workflows, and product features.
- Developed and enhanced Marketing Mix Modeling (MMM) and GeoLift modules by working with R and analytics pipelines to support marketing measurement, forecasting, and business decision-making.
- Built and maintained an internal Document Management System supporting secure file and folder management, role-based access, and collaboration workflows.
- Designed responsive analytics dashboards and RESTful APIs for metrics including ROAS, revenue, media spend, campaign performance, and forecasting results.
- Worked closely with software engineers, data scientists, and product stakeholders to understand requirements, investigate technical problems, and translate business needs into implementable solutions.
- Integrated MongoDB and AWS cloud services, resolved production issues, and optimized application performance across existing SaaS workflows.

Senior Software Engineer

Dec 2022 – Mar 2026

I-Sarva Infotech Pvt Limited, Mangalore, India

- Delivered 45+ production websites and applications, including 10+ React applications, 20 WordPress/WooCommerce projects, and 15 Statamic projects for clients across the UK and Middle East.
- Worked directly with varied client requirements, translating business and operational needs into technical solutions across frontend, backend, integrations, and third-party services.
- Built a custom React-based plugin replacing ACF Pro, reducing licensing costs by 4% across 6 projects.
- Integrated Zoho CRM, AWS Bedrock, REST APIs, payment gateways, and third-party services across multiple client applications.
- Developed and integrated AI-powered functionality into web applications using backend APIs and external AI services.

- Led frontend implementation across multiple concurrent projects, coordinating development, technical decisions, reviews, debugging, and delivery.
- Worked across React.js, Node.js, PHP, WordPress, Tailwind CSS, REST APIs, MongoDB, and AWS to deliver end-to-end solutions.

SELECTED AI & PRODUCT PROJECTS

LLM-Powered Chatbot & Retrieval System

LangChain, LLM APIs, Vector Database, Embeddings, Node.js

- Built a server-integrated LLM chatbot using LangChain and vector-database-backed retrieval to provide context-aware responses from application data.
- Implemented document processing, chunking, embeddings, vector retrieval, and LLM orchestration as part of a retrieval-based AI workflow.
- Integrated the AI workflow with backend APIs and application services, keeping LLM functionality connected to existing product logic and data.

Custom Craft Components – AI-Powered WordPress Plugin

Mar 2025 – Nov 2025

Own Product | React.js, OpenAI API, WordPress, PHP

- Built an AI-powered WordPress plugin that generates reusable full-page sections using React.js, PHP, WordPress, and OpenAI API.
- Designed the product around automating repetitive website development workflows through an LLM-powered generation process.
- Implemented CI/CD pipelines with GitHub Actions for automated builds and deployments.
- Reduced manual WordPress development effort by approximately 50%.
- Designed a lightweight hook-based React architecture for reusable WordPress components.
- Live: customcraftcomponents.vercel.app

GymFoodie – Cross-Platform Fitness & Nutrition Application

2026

React Native, Expo, TypeScript, Zustand, REST APIs

- Developed a cross-platform mobile application using React Native, Expo, and TypeScript with reusable components and a responsive interface.
- Implemented authentication, Expo Router navigation, persistent state management using Zustand, and REST API integrations.
- Integrated QR-based gym access, payment checkout, subscription workflows, and an interactive 7-day meal planning experience.

EDUCATION

Master of Computer Applications (MCA)

2022

Mangalore University, Mangalore, India

Bachelor of Computer Applications (BCA)

2020

Mangalore University, Mangalore, India

TECHNICAL SKILLS

AI & LLM: LLM APIs, LangChain, RAG, Embeddings, Vector Databases, AI Chatbots, Prompt Engineering, OpenAI API, AWS Bedrock

Languages: JavaScript, TypeScript, PHP, C++, R

Frontend & Mobile: React.js, React Native, Next.js, HTML5, CSS3, Tailwind CSS

Backend: Node.js, Express.js, Laravel, REST APIs, Microservices Architecture

Databases: MongoDB, MySQL, Redis, Firebase, Vector Databases

Cloud: AWS (EC2, S3, Lambda, Bedrock)

Integrations: REST APIs, Zoho CRM, Payment Gateways, Third-Party APIs

Security: Authentication & Authorization, JWT, RBAC, API Security, Secure Coding Practices, OWASP Top 10

Tools & Practices: Git, GitHub, GitHub Actions, Postman, VS Code, Agile, Performance Optimization, Responsive Design