

Nasbeer Ahammed

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PROFESSIONAL SUMMARY

Senior Full Stack & AI Engineer with 10+ years of experience in AI/ML, data science, and full-stack application development. Extensive expertise in building scalable web and mobile applications using React, React Native, Node.js, and Python. Strong hands-on experience with LLMs, RAG architectures, analytics pipelines, and machine learning workflows. Proven ability in cloud computing, database design, and DevOps practices including AWS, Azure, Docker, Kubernetes, CI/CD, and monitoring. Skilled in designing API-driven systems, optimizing relational and NoSQL databases, and leading end-to-end product development for enterprise platforms and high-growth startups.

SKILLS

Mongo, Express, Node, Angular, React, NextJS, Git, BitBucket, Bootstrap, Tailwind, AntD, REST and SOAP APIs, Amazon Web Services, Azure, ASP.Net, Entity, ASP Core, SQL Server, JavaScript, jQuery, TypeScript, Algorithms, Business Intelligence, SCRUM/Agile Methodology, Team Management, React Native, Flutter, Expo, Android, PHP, Laravel, WordPress, MySQL, PostgreSQL, GraphQL, CouchDB, Neo4j, Python, Django, Flask, NestJS, Power BI, TensorFlow, Tableau, RAG, LLM, Oracle

WORK EXPERIENCE

Sr Full Stack Engineer/Developer

Elitser Technologies Pvt Ltd | India

2024-06 - Present

Backend Development for Compass Portal: Led the development of the Compass Portal (Core42) backend using Python (FastAPI/Django) and Node.js, implementing key platform features including MSAL-based login, user and subscription management, API keys, usage reporting, and an API Playground for testing models. Integration with Azure SaaS Marketplace: Architected and implemented Azure SaaS Marketplace integration to handle seamless subscription activation, billing, and product listing workflows—allowing customers to manage AI model subscriptions directly from the portal. React Native Application Development: Designed and developed a React Native companion app for the Compass Portal to extend functionality to mobile users. The app included modules for model usage tracking, API Playground testing, account management, and subscription analytics with live data visualization using Recharts and Victory Native libraries. Component Development & UI Implementation: Built highly interactive and reusable React Native components such as: DashboardView: Real-time analytics with API usage graphs and billing summaries. APIPlayground: Interactive UI for testing endpoints and visualizing JSON responses. SubscriptionManager: Dynamic subscription management and billing workflow integration with Azure APIs. Profile & Settings Components: Enhanced user control and preference management, integrating securely with MSAL authentication. Database Management & Optimization: Designed and optimized PostgreSQL schemas to efficiently store structured data like subscriptions, API usage logs, and user activity metrics. Developed optimized SQL queries for real-time performance analytics and user activity insights. Frontend Development for Web Portal: Created interactive, responsive React interfaces for the web version of Compass Portal, ensuring seamless design and feature parity between web and mobile platforms. Scalability & System Optimization: Built a robust microservices-based backend architecture with Docker and Kubernetes, improving scalability, performance, and maintainability. Implemented CI/CD pipelines for automated deployments and integrated Prometheus + Grafana for monitoring system health. Research & Advanced API Implementation: Conducted deep research to implement Batch APIs, Realtime APIs, and WebSocket-based features, improving responsiveness and user engagement across both React and React Native environments.

Team Lead & Senior UI/UX Developer

Gulf Way Marketing LLC | Dubai, AE

2023-07 - 2024-02

Technical Leadership & Standards: Set the technical direction and coding standards for all projects, ensuring consistent architecture, scalable design, and adherence to Agile methodologies. Collaborated closely with stakeholders to define project scope, requirements, and delivery milestones. **Full-Stack Project Delivery:** Managed and delivered over 12 web and mobile projects end-to-end using React, React Native, Node.js, Angular, and Django, achieving scalable, maintainable solutions optimized for performance. **React Native Mobile App Development:** **Gulfway Delivery App:** Built a fully functional React Native delivery management app with real-time order tracking, driver route optimization using Google Maps SDK, push notifications (Firebase Cloud Messaging), and live delivery status updates through WebSockets. Developed reusable components such as OrderCard, DeliveryStatusBadge, and DriverMapView. **Rental App:** Created a cross-platform rental management app using React Native + Expo, enabling users to browse, book, and manage rental items with secure JWT-based authentication and integrated Stripe payments. Designed modular UI components for booking flow, calendar availability, and rental analytics dashboard. **Limo Services App:** Developed an intuitive React Native app for luxury ride bookings with real-time location tracking, ride history, driver ratings, and in-app chat using Socket.io. All apps were connected to REST APIs developed with Express/Node.js, MongoDB, and Django, ensuring seamless synchronization across web and mobile platforms. **Cross-Platform & Web Development:** Worked on Next.js, Angular, and Django web portals to complement mobile apps, maintaining shared component libraries and consistent UX across platforms. **WordPress Projects:** Released 8 custom WordPress websites for corporate clients, optimizing performance and SEO for client-facing brands. **Veterinary Management System:** Delivered a complete React + Node.js + MongoDB beta version of a veterinary management system within 2.5 months, including appointment scheduling, medical record management, and user roles. **RMS Application (Java/Spring Boot):** Contributed to backend enhancements for the RMS application, focusing on microservice design and database optimization.

Team Lead and Data Scientist

DiGIMENA FZE | Dubai

2020-04 - 2023-02

UI Enhancement & Platform Optimization: Led the UI enhancement team for the Jubna Advertising Platform, focusing on complete UI/UX redesign, improved responsiveness, and enhanced revenue-generation tools that drove measurable company growth and engagement. **Full-Stack Development with MERN & LAMP Stacks:** Utilized MongoDB, Express.js, Node.js (TypeScript & JavaScript), React, Angular, and Laravel 8 for scalable feature development, data pipelines, and API-driven modules. Integrated third-party APIs, payment gateways, and real-time communication using Twilio for internal and client-facing chat systems. **React Native Mobile Tools:** Built a React Native Ad Performance Tracker App for internal teams and advertisers to monitor live campaign analytics, impressions, CTR, and ROI. Developed a Native Ad Manager module with push notifications (Firebase), ad-creation wizards, and user-level insights for marketing managers. Implemented reusable React Native components such as CampaignOverview, AdPreview, and InsightsChart for cross-platform use with shared logic from React web components. **React & Node.js-Based Web Tools:** Designed a Campaign Insights Dashboard in React with Node.js backend, enabling real-time data visualization through Socket.io and Chart.js. Created Ad Placement & Optimization Tool allowing advertisers to adjust targeting parameters dynamically and track performance metrics fetched via REST APIs. Implemented a Content Moderation System with role-based access, integrating JWT authentication and MongoDB aggregation pipelines for analytics. **Python-Powered Analytics Tools:** Built Kalimad API using Django + ReactJS, designed to track customer traction, keyword ranking, and cross-platform engagement analytics. Automated ad spend and conversion reports using Python scripts for data extraction and preprocessing, which reduced reporting time by 60%. Created a Predictive Bidding Tool leveraging Python's scikit-learn for ad cost optimization and budget forecasting. **Strategic and Financial Contribution:** Provided financial insights into native ads operations, bridging technical and business domains. Supported strategic financial planning, cost optimization, and transparent reporting through automated dashboards.

Wordpress & UI Developer

TPConnects Technologies LLC

2019-12 - 2020-04

Custom Plugin & Component Development: Crafted custom WordPress plugins and React Native components for an Airline Management B2C platform, integrating APIs from IATA, Amadeus, Galileo, Viator, and other leading travel service providers. **React Native Mobile Modules:** Built a Flight Booking Companion App using React Native, enabling users to search, compare, and book flights in real-time through integrated Amadeus and NDC APIs. Developed mobile modules for user authentication, flight tracking, ticket management, and loyalty point synchronization, connected to backend services via Node.js and Spring Boot microservices. Designed reusable React Native UI components such as FlightCard, SearchResultsView, TripDetails, and PaymentStatus, ensuring native-like performance and accessibility on both iOS and Android. **Front-End & API Integration:** Updated WordPress UI for five B2C airline platforms using REST, Swagger, and SOAP APIs to integrate flight search, booking, and hotel services. Enhanced UX and visual design consistency across all client websites. **Enterprise System Integration:** Implemented two full-fledged B2C flight management platforms for major travel clients using Angular, Node.js (TypeScript), and Java Spring Boot, connected to GDS systems such as Amadeus, Sabre, Travel Payouts, and NDC. **Microservices Architecture:** Designed and developed REST and MVC microservices using Java Spring Boot for IATA's NDC API, supporting dynamic fare updates, booking management, and ticket issuance workflows. **Collaboration & Delivery:** Worked closely with cross-functional backend, design, and QA teams to ensure high reliability and integration accuracy across multi-vendor travel APIs and mobile components.

Full Stack Developer

Expibotz Technologies Private Limited | India

2012-11 - 2019-08

Full-Stack Application Development: Designed and developed multiple enterprise-grade applications using React, React Native, Python (Django/Flask), Angular, ASP.NET (C#), and JavaScript, focusing on scalability, maintainability, and cross-platform performance. **Web Applications & APIs:** Built REST/CRUD APIs for business applications including school management, payroll, and clinical management systems using ASP.NET (C#) and Python (Django). Developed modular and reusable React components for dashboards, reporting, and data visualization with real-time updates. **React Native & Android Projects:** Created KSEB Mobile App (Kerala State Electricity Board) using React Native and Android (Java/Kotlin), allowing users to manage electricity bill payments, view usage data, and receive notifications. Integrated secure payment gateways and REST APIs for real-time bill validation. Built several internal mobile tools with React Native for data collection, employee tracking, and notifications integrated with the backend via Node.js and Flask APIs. **Python-Powered Applications:** Developed a whiteboard tutoring platform using Python (Django) and ReactJS featuring peer-to-peer video conferencing, real-time collaboration, and drawing synchronization using WebRTC and Socket.io. Designed analytics dashboards and automated data pipelines with Python scripts to support client insights and usage metrics. **C# and ASP.NET Development:** Built and maintained enterprise desktop and web systems using C#, Entity Framework, and ASP.NET Core, implementing multi-user authentication, reporting modules, and database-backed CRUD operations. **UI/UX and Visual Design Expertise:** Applied strong understanding of visual design theory, including typography, color, and layout, to create intuitive and accessible interfaces for both web and mobile users.

EDUCATION

Bachelor of Technology: Electronics & Communication

William Carey University | India

PROJECTS

AI Astraea

AI-driven platform leveraging Retrieval-Augmented Generation and autonomous agents for intelligent workflows, chat systems, and knowledge automation across web and mobile platforms.

Technologies: Python, React, React Native, Next.js, PostgreSQL, Redis, AWS, RAG, LLMs, Agent AI, Hugging Face, OpenAI, AI/ML

Compass Portal – Core42 AI

Enterprise AI SaaS platform for managing AI models, subscriptions, API usage, and billing. Implemented secure authentication, usage analytics, API playgrounds, and scalable microservices architecture with cloud-native deployment.

Technologies: Python (FastAPI), React, TypeScript, PostgreSQL, Docker, Kubernetes, Azure

Compass AI Chat

Real-time AI chat interface integrated with Core42 models, supporting secure authentication, streaming responses, and usage tracking for enterprise users.

Technologies: Python, React, TypeScript, Azure, WebSockets, REST APIs

Loop360

Social intelligence mobile application focused on claims verification and digital trust. Features include claims and evidence management, real-time chat, friend circles, AI-powered chat, and fake post detection using intelligent content analysis and moderation workflows.

Technologies: React Native, Next.js, NestJS, MongoDB, AWS, AI/ML

Jubna Advertising Platform

Large-scale native advertising and monetization platform with real-time analytics, campaign management, payment integrations, and blockchain-enabled transparency for ad operations.

Technologies: React, Python, Node.js, PHP, PostgreSQL, AWS, Blockchain

SureView TV

Digital media and streaming analytics platform providing content performance insights, monetization tools, and secure data pipelines with scalable cloud infrastructure.

Technologies: React, Python, Node.js, PHP, PostgreSQL, AWS, Blockchain