

USMAN ABBAS

Senior Full Stack Engineer

✉ dev.usmanabbas@gmail.com

☎ +92 322-4120185

🌐 LinkedIn

PROFESSIONAL SUMMARY

Senior Full Stack Engineer with 7+ years of experience building and deploying 30+ scalable web applications using React.js, Angular, Vue.js, Node.js, Python (Django, FastAPI), and .NET. Expert in designing RESTful, GraphQL, and gRPC APIs, implementing microservices, and integrating real-time features that improved system performance by up to 40%. Proficient in Azure Cloud, CI/CD pipelines, and AI/ML integrations, delivering 10+ intelligent systems including chatbots, recommendation engines, and predictive analytics tools.

WORK EXPERIENCE

Senior Software Engineer anDREa B.V.

06/2023 – Present
Netherlands - Remote

- Developed 15+ responsive, high-performance applications using Angular, React.js, and Next.js, improving front-end load times by up to 35%.
- Built secure backend services with Python (FastAPI, Django) and .NET, designing 30+ RESTful, GraphQL, and gRPC APIs with authentication, authorization, and data validation.
- Implemented microservices and event-driven architectures using Azure, Docker, and CI/CD pipelines, increasing system scalability and reliability by 40%.
- Integrated third-party APIs, payment gateways, and real-time features with WebSockets and Socket.io across multiple applications.
- Automated Azure provisioning via ARM templates and DevOps pipelines, reducing deployment setup time by 70%.
- Delivered myDRE, a secure digital research platform, leveraging React.js, Azure Cloud, and Python/.NET backends.
- Integrated OpenAI, Azure AI, TensorFlow, LangChain, and RAG pipelines to build 10+ intelligent systems for agent-based automation, predictive analytics, and decision support.
- Developed AI-powered chatbots, recommendation engines, and NLP tools, enhancing user engagement and operational efficiency by 30%.

Senior MERN Stack Engineer

Truckerpath

09/2022 – 05/2023

Lahore - Remote

- Developed 5+ web-based logistics applications using React.js, Vue.js, NestJS, and Express.js, enabling real-time freight tracking and improving route efficiency by 25%.
- Integrated Google Maps APIs for live location tracking and Twilio Calling APIs for in-app communication, reducing response time by 30%.
- Built 50+ reusable UI components from Figma designs, ensuring responsive, pixel-perfect layouts across desktop and mobile devices.
- Implemented state management using Redux, Context API, and RxJS, optimizing data handling for applications with 10k+ concurrent users.
- Collaborated with product managers and UI/UX designers to deliver projects on time, aligning technical implementation with business goals.

Software Engineer II

Shopdev

06/2021 – 08/2022

Lahore - Onsite

- Developed 8+ monolithic and microservices-based applications using React.js, Angular, Node.js, and PostgreSQL for e-commerce and SaaS clients.
- Built and consumed GraphQL APIs for data-driven dashboards, supporting complex front-end workflows and increasing data retrieval speed by 35%.
- Created 30+ reusable UI components with Material UI, AntD, and React Bootstrap, reducing front-end development time by 40%.
- Enhanced performance and SEO for customer-facing applications, improving page load speed by 50% and boosting search rankings.
- Optimized forecasting models, increasing prediction accuracy by 20% and improving actionable insights.
- Contributed to AI-driven products that enhanced system scalability, user experience, and reliability across multiple projects.

Associate Software Engineer

Nextbridge

02/2019 – 05/2021

Lahore - Onsite

- Modernized 6+ applications using Next.js, React.js, Node.js, and Express.js, improving backend scalability by 30%.
- Designed 15+ RESTful APIs for real-time client and third-party integrations.
- Migrated legacy monoliths to modular architectures, reducing technical debt by 40%.

- Created documentation and guides, accelerating onboarding and reducing support queries.
- Contributed in Agile sprints, supporting on-time delivery and cross-team collaboration.

SKILLS

Programming & Frameworks

React.js, Angular, Vue.js, Node.js, Express.js, .NET, JavaScript (ES6+), TypeScript, GraphQL, REST APIs, Next.js, NestJS, Python (FastAPI, Django)

Cloud & DevOps

Azure (Azure APIs, DevOps Pipelines, ARM Templates, Azure Translator), AWS (EC2, S3, Lambda, CloudWatch), Docker, Kubernetes, CI/CD, GitHub Actions, GitLab CI, Terraform, Webpack, Babel, Nginx

Databases

PostgreSQL, MySQL, MongoDB, SQL Server, Redis, Firebase, DynamoDB

Testing & Automation

Playwright, Jest, Mocha, Cypress, Postman, Selenium, PyTest, Unit & Integration Testing, API Load Testing (k6, JMeter)

UI & State Management:

Redux, Context API, RTK Query, RxJS, Material UI, Chakra UI, AntD, Tailwind CSS, Bootstrap, Styled Components

Tools & APIs

Twilio APIs, Google Maps APIs, OpenAI APIs, Read.ai [🔗](#), Azure Translator, Zapier, Make (Integromat), Payment Gateways (Stripe, PayPal), WebSockets, Webhooks

AI/ML & Data Engineering

LLMs, RAG Pipelines, Hugging Face Transformers, TensorFlow, Pandas, NumPy, PyTorch, ETL Pipelines, Data Visualization (Plotly, D3.js)

Project Management & Collaboration

Jira, Confluence, Agile/Scrum, Trello, ClickUp, Asana, Microsoft Teams, Slack, GitHub, Bitbucket

EDUCATION

FAST NUCES

Bachelor of Science in Computer Science

2015 – 2019

Lahore, Pakistan

PROJECTS

Aprevo Case Management - Carlsmed

- An end-to-end integrated platform designed to improve surgical outcomes, reduce revisions, and enhance long-term patient care.
- Developed a case management system for surgical workflows using Node.js and Python (FastAPI), improving efficiency and reliability in handling patient-specific data.
- Built secure REST APIs integrated with PostgreSQL for structured data storage and fast retrieval.
- Designed an intuitive React.js UI with real-time updates, enhancing user experience for surgeons and case managers.
- Implemented authentication, role-based access control, and full CRUD operations ensuring compliance and data security.
- Integrated computer vision tools using Python (OpenCV, TensorFlow) for image enhancement and medical imaging analysis.
- Deployed on AWS Cloud with S3 Bucket integration for scalable storage, using FileZilla for secure file management and deployment automation.

Tech Stack: Python (FastAPI, OpenCV, TensorFlow), Node.js, Express.js, React.js, PostgreSQL, AWS Cloud, S3 Bucket, FileZilla

Hypr Delivery Management Solution – Web App

- Developed the frontend for a delivery management system, transforming Figma designs into a responsive, production-ready web interface.
- Built interactive dashboards, order tracking, and delivery workflow components using React.js with reusable, modular architecture.
- Integrated Google Maps API for real-time delivery tracking, route visualization, and location management, improving logistics efficiency.
- Connected with backend APIs for real-time updates on orders, drivers, and deliveries.
- Optimized performance and ensured cross-browser and mobile responsiveness for seamless user experience.

Tech Stack: React.js, JavaScript/TypeScript, CSS3, Figma, Google Maps API

Loyalty Management System (LMS) – Frontend Development

- Implemented the frontend of a loyalty management platform to manage customer rewards, points, and redemptions.
- Built responsive, user-friendly interfaces with React.js for both customers and admins.
- Integrated GraphQL APIs with frontend components to fetch and display real-time rewards, transactions, and notifications.
- Developed reporting dashboards and interactive UI elements for tracking customer activity and program performance.
- Optimized for cross-browser compatibility and scalability, ensuring seamless user experience.

Tech Stack: React.js, GraphQL, JavaScript/TypeScript, CSS3, AWS (S3 for assets), Figma

Dispatch Portal – Truck Dispatching & Load Management

- Developed the frontend of a dispatching portal with modules for load boards, broker management, dashboards, and reporting.
- Built interactive dashboards for real-time load tracking, driver assignments, and broker activity.
- Integrated Google Maps API for route planning, live vehicle tracking, and location visualization, enhancing dispatch accuracy.
- Implemented WebSockets for real-time updates on load status, driver availability, and broker communications.
- Built load board UI for posting, searching, and managing freight loads, improving operational efficiency.
- Connected with APIs and reporting tools to display analytics on loads, revenue, and broker performance.
- Designed responsive, user-friendly interfaces to support dispatchers, drivers, and brokers across devices.

Tech Stack: React.js, GraphQL, Apollo Client, JavaScript/TypeScript, CSS3, Google Maps API, WebSockets, Figma

Thespadr.com — Beauty Ecommerce store.

- Work with cross-functional teams and work with data engineers in integrating trackers to track user behaviors.
- Integrate front-end web pages and dynamic components in ReactJs to host on web store.
- Integrate Shopify APIs on ReactJs stores and develop full flow of web store.
- Launching new products and developing campaigns along with integrating analytics and analyzing conversions from campaigns.
- Developing full web store and improve cart flow with integrating upsell flows

Tech Stack: React.js, Shopify APIs, REST APIs, Google Analytics, Facebook Pixel, Google Tag Manager, JavaScript/TypeScript, Tailwind CSS, Material UI, Webhooks, CI/CD, Git, Agile/Scrum

LANGUAGES

English, Urdu