

Muhammad Usman

Senior Full Stack Developer & Team Lead

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Executive Summary

Senior Full Stack Developer with **8+ years of professional experience** in designing, developing, and deploying scalable web applications, enterprise software, AI-powered solutions, and eCommerce platforms. Proficient in Python, JavaScript, TypeScript, React.js, Next.js, Node.js, Express.js, NestJS, PHP, Laravel, WordPress, WooCommerce, Shopify, MySQL, PostgreSQL, MongoDB, Redis, GraphQL, REST APIs, Docker, AWS, Git, CI/CD, and cloud technologies. Experienced in building AI-powered applications using Large Language Models (LLMs), Generative AI, AI Chatbots, AI Agents, Retrieval-Augmented Generation (RAG), LangChain, MCP, Prompt Engineering, OpenAI APIs, and Data Engineering. Strong expertise in developing secure, high-performance, and scalable frontend and backend systems, API integrations, cloud-native applications, authentication, performance optimization, and modern software architecture following Clean Code, SOLID principles, Agile methodologies, and industry best practices. Passionate about delivering innovative, user-centric, and business-driven solutions while collaborating with cross-functional teams to build reliable, scalable, and future-ready digital products.

TECHNICAL EXPERTISE

Frontend Development

JavaScript (ES6+), TypeScript, React.js, Next.js, React Native, Angular, HTML5, CSS3, Tailwind CSS, Material UI, Redux, Responsive UI/UX, Single Page Applications (SPA)

AI, Generative AI & Machine Learning

OpenAI API, LangChain, LlamaIndex, Hugging Face, TensorFlow, PyTorch, NLP, LLM Integration, RAG (Retrieval-Augmented Generation), Vector Databases (Pinecone, FAISS, Weaviate), Prompt Engineering, Chatbot Development, Data Preprocessing, Model Fine-tuning, AI-driven Automation

Cloud & DevOps

AWS (EC2, S3, Lambda), Docker, Kubernetes, Nginx, PM2, CI/CD Pipelines (GitHub Actions, GitLab CI), Databricks, Model Deployment, Auto Scaling, Monitoring & Optimization

Testing & QA

Jest, Mocha, Cypress, Postman, Unit Testing, Integration Testing, End-to-End Testing, Automated QA Pipelines

Tools & Version Control

Git, GitHub, GitLab, Bitbucket, Jira, Trello, Slack

Backend Development

Node.js (Express.js, NestJS), Python (Django, FastAPI, Flask), PHP (Laravel, Symfony), RESTful APIs, GraphQL, WebSockets, Real-time Systems

Databases

PostgreSQL, MongoDB, Firebase, Redis, Elasticsearch

Frameworks & Libraries

FastAPI, Django, React.js, Next.js, Express.js, TensorFlow, PyTorch, LangChain, LlamaIndex, Redux, Tailwind CSS, Material UI

UI/UX Collaboration

Figma, Adobe XD, Wireframing, Prototyping, Design Integration, Usability Testing

AI Developer Tools

Cursor, GitHub Copilot, Gravity AI, Lovable AI

Professional Experience

- Senior Full Stack Developer**, Neweffect 03/2025 – Present
- Designed and developed scalable web applications using Laravel, Python, React.js, Next.js, and Vue.js, delivering high-performance and user-centric solutions.
 - Built and integrated AI-powered features, LLM applications, chatbots, and automation workflows using OpenAI, LangChain, and vector databases.
 - Architected and maintained RESTful APIs, microservices, and enterprise-grade backend systems, ensuring scalability, security, and reliability.
 - Designed, optimized, and managed MySQL, PostgreSQL, MongoDB, Redis, and Elasticsearch databases to improve performance and data integrity.
 - Implemented cloud-native deployments, Docker containerization, Kubernetes orchestration, and CI/CD pipelines on AWS for efficient software delivery.
 - Collaborated with cross-functional teams, mentored developers, and led end-to-end project execution from requirements gathering to deployment and ongoing maintenance.
- Senior Full Stack Developer & Team Lead**, Fakexpose 04/2023 – 02/2025
- Led the design, development, and delivery of scalable web, mobile, and cloud-native applications using Laravel, React.js, React Native, Vue.js, and Python.
 - Managed and mentored remote development teams, conducting code reviews, technical planning, task allocation, and performance coaching to ensure high-quality deliverables.
 - Architected clean, maintainable, and scalable software solutions following best practices, design patterns, and modern development standards.
 - Developed and integrated RESTful APIs, third-party services, payment gateways, cloud platforms, and AI-powered features to enhance product capabilities.
 - Implemented CI/CD pipelines, Docker-based deployments, cloud infrastructure, and performance optimization strategies to improve reliability and scalability.
 - Collaborated closely with stakeholders throughout the project lifecycle, overseeing requirements analysis, solution architecture, development, testing, deployment, and ongoing support.
- Senior Full Stack Developer**, Jan's Group 06/2020 – 03/2023
- Architected and developed scalable full-stack web and mobile applications using Laravel, Vue.js, React.js, React Native, and Python, following clean architecture and coding best practices.
 - Designed and implemented RESTful APIs, microservices, and third-party integrations, ensuring high performance, security, and maintainability.
 - Built and integrated AI-powered solutions, LLM-based features, chatbots, and automation workflows to enhance user experience and business efficiency.
 - Optimized and managed MySQL, PostgreSQL, MongoDB, Redis, and Elasticsearch databases, improving application performance, scalability, and data reliability.
 - Deployed and maintained applications on cloud platforms using AWS, Docker, Kubernetes, and CI/CD pipelines, ensuring reliable and efficient software delivery.
 - Led cross-functional and remote development teams, overseeing system architecture, project planning, code reviews, deployment processes, and end-to-end product delivery.
- Full Stack Developer**, Micro Data Tech Solutions 08/2018 – 05/2020
- Developed and maintained scalable web and mobile applications using Laravel, Vue.js, React.js, and React Native, delivering responsive, high-performance, and user-friendly experiences.
 - Designed and implemented RESTful APIs, backend services, and third-party integrations, ensuring secure and efficient communication between systems.

- Built and integrated AI/ML-powered features, intelligent automation workflows, and data-driven solutions to improve application functionality and user engagement.
- Designed, optimized, and managed MySQL, PostgreSQL, and MongoDB databases, focusing on performance, scalability, security, and data integrity.
- Deployed and maintained applications using modern development practices, including cloud services, Docker, version control, and CI/CD pipelines for streamlined releases.
- Collaborated with stakeholders and development teams to deliver end-to-end solutions, contributing to system architecture, project planning, code reviews, testing, deployment, and ongoing support.

Projects

Enterprise AI-Powered Customer Support Platform, Team Lead

- Led the end-to-end architecture, development, and delivery of an enterprise-grade AI-powered customer support platform, serving high-volume customer interactions across multiple business domains.
- Designed and implemented a scalable microservices architecture using React, Node.js, and FastAPI, enabling high availability, maintainability, and seamless system integration.
- Developed advanced RAG (Retrieval-Augmented Generation) pipelines with vector databases to provide accurate, context-aware, and intelligent AI responses powered by Large Language Models.
- Implemented secure authentication, role-based access control (RBAC), conversation management, analytics dashboards, and performance monitoring to enhance security and operational visibility.
- Led a cross-functional development team through project planning, code reviews, mentoring, and deployment, ensuring timely delivery of scalable, production-ready solutions.
- Tech Stack: React.js, Node.js, Python (FastAPI), OpenAI API, LangChain, Pinecone, PostgreSQL, Redis, Docker, AWS.

Smart Recruitment & ATS Platform

- Architected and developed an AI-powered Applicant Tracking System (ATS) that streamlined recruitment workflows through intelligent resume screening, candidate evaluation, and hiring automation.
- Built responsive and feature-rich React.js dashboards for recruiters and hiring managers, providing real-time visibility into candidate pipelines, job postings, and recruitment analytics.
- Implemented advanced NLP and deep learning models using Hugging Face to enable semantic resume parsing, job-candidate matching, and skill-based candidate recommendations.
- Automated candidate ranking, shortlisting, reporting, and workflow management, significantly improving recruitment efficiency and reducing manual screening efforts.
- Led system architecture, code reviews, DevOps processes, and deployment pipelines, ensuring scalability, security, performance, and reliable production releases.
- Tech Stack: React.js, Django, Python, NLP, Hugging Face Transformers, PostgreSQL, Docker, REST APIs, CI/CD.

Sales Forecasting & Business Intelligence System

- Designed and developed a scalable predictive analytics and business intelligence platform that enabled organizations to forecast sales trends, optimize decision-making, and improve revenue planning.
- Built high-performance RESTful APIs and FastAPI services to deliver real-time machine learning predictions and analytical insights to business users and external systems.
- Implemented end-to-end data pipelines for data ingestion, preprocessing, feature engineering, model training, evaluation, and continuous performance monitoring.
- Developed interactive React.js dashboards featuring sales forecasts, KPI tracking, trend analysis, and data visualizations to support strategic business decisions.
- Mentored junior developers and collaborated with cross-functional teams to integrate machine learning models into production environments while optimizing system performance, scalability, and reliability.
- Tech Stack: React.js, Node.js, Python, FastAPI, Scikit-learn, MongoDB, Redis, REST APIs, Docker, CI/CD.

Intelligent Document Management & Workflow Automation

- Led the design and development of an enterprise-grade Document Management and Workflow Automation Platform, streamlining document handling, approval processes, and operational workflows.
- Integrated advanced OCR, NLP, and Large Language Models (LLMs) to automatically extract, classify, validate, and summarize unstructured documents with high accuracy.
- Developed secure and scalable RESTful APIs using Laravel, implementing role-based access control, document lifecycle management, and enterprise-level security standards.
- Automated document processing, classification, validation, and workflow routing, significantly reducing manual effort, processing time, and operational costs.
- Coordinated cross-functional teams across frontend, backend, and AI development, ensuring successful delivery of scalable, production-ready solutions from architecture to deployment.
- Tech Stack: React.js, Laravel, Python, OCR, NLP, OpenAI API, MySQL, REST APIs, Docker, AWS.

Automated Email Classification & Response Assistant

- Designed and developed an AI-powered email management platform that automatically categorized incoming emails into support, sales, billing, urgent, spam, and other business-specific classifications.
- Implemented advanced NLP pipelines, text preprocessing, feature engineering, and machine learning models to improve email classification accuracy and streamline communication workflows.
- Integrated Large Language Models (LLMs) to generate intelligent, context-aware draft responses, enabling faster handling of customer inquiries and repetitive communication tasks.
- Automated email triaging, prioritization, and response generation, significantly reducing manual workload, improving response times, and enhancing operational efficiency.
- Developed scalable RESTful APIs and FastAPI services for seamless integration with email platforms, CRM systems, and third-party business applications.
- Tech Stack: Python, FastAPI, NLP, Scikit-learn, OpenAI API, REST APIs, Machine Learning, Docker, CI/CD.

Smart Job Application Tracker & Analyzer

- Designed and developed a web-based job application management platform that enabled users to track, organize, and monitor applications across multiple job portals and recruitment channels.
- Implemented advanced NLP and AI-powered analysis to extract skills, qualifications, experience requirements, and key insights from job descriptions automatically.
- Built an intelligent job-to-profile matching engine that compared candidate profiles with job requirements, generating compatibility scores and personalized recommendations.
- Developed scalable RESTful APIs and backend services for application tracking, status management, notifications, reporting, and recruitment analytics.
- Enhanced job search efficiency by providing actionable insights, application performance metrics, and optimization recommendations to improve interview conversion and hiring success rates.
- Tech Stack: Python, FastAPI, PostgreSQL, NLP, OpenAI API, REST APIs, Machine Learning, Docker, CI/CD.

Certificates

- Ai Certificate
- Database
- Master Python

Education

Bachelor of Science in Computer Science,
University of Management and Technology

2018 – 2022
Lahore, Pakistan