

NASIR SADEEQ

Senior Software Engineer & Project Manager | Full Stack .NET & Python Developer

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PROFESSIONAL SUMMARY

Senior Software Engineer and Project Manager with 5+ years of experience delivering enterprise web applications, RESTful APIs, and AI-driven platforms, including 1+ year leading cross-functional engineering teams. Currently lead a 6-member team at Kcube AI, where I have delivered 5 enterprise projects serving 100,000+ registered and 50,000+ daily active users. Full-stack expertise across ASP.NET Core, C#, .NET, Python, FastAPI, React, and Angular, backed by deep Microsoft Azure cloud engineering experience spanning serverless architecture, Azure Functions, Docker containerization, Microsoft Entra ID, and Azure AI services. Hands-on Python and FastAPI experience building REST APIs, asynchronous services, and OpenAI SDK integrations for AI video-editing and image-enhancement products. Proven record of Agile delivery, stakeholder management, third-party integrations, and Retrieval-Augmented Generation (RAG) pipelines achieving 85%+ answer accuracy.

CORE COMPETENCIES

Project Management & Agile Delivery | Technical Leadership & Mentoring | Stakeholder Management | Solution Architecture | Cloud Engineering (Azure) | API Design & Integration | AI / LLM Solutions | Database Optimization | CI/CD & DevOps | Risk Management | Requirements Gathering | Cross-Functional Collaboration

TECHNICAL SKILLS

Languages: C#, Python, JavaScript, TypeScript, SQL, T-SQL, HTML5, CSS3

Backend & Frameworks: ASP.NET Core, .NET 8, .NET 6, .NET Framework, ASP.NET MVC, ASP.NET Web API, Minimal APIs, Entity Framework Core, LINQ, async/await, FastAPI, Pydantic, ASGI / Uvicorn, RESTful APIs, Microservices

Frontend: React, Angular, JavaScript ES6+, jQuery, Bootstrap, Responsive Web Design

Cloud & Serverless: Microsoft Azure, Azure App Service, Azure Functions, Azure Key Vault, Azure Storage Queues, Azure Blob Storage, Azure SQL Database, Azure AD B2C, Microsoft Entra ID, Azure AI Search, Azure OpenAI Service, Application Insights, Azure DevOps, Serverless Architecture, Google Cloud Platform (Service Accounts, IAM)

Databases: Microsoft SQL Server, PostgreSQL, Azure SQL, MySQL, Stored Procedures, Query Optimization, Bulk Upserts, Indexing, Database Design, Data Modeling, Vector Databases

AI, Data & Analytics: OpenAI SDK, Retrieval-Augmented Generation (RAG), Vector Search, Hybrid Search, Embedding Models, Conversational AI & Chatbots, LLM Integration, Prompt Engineering, Power BI, Data Engineering Pipelines, ETL, KPI Dashboards

Architecture & Security: Microservices Architecture, Serverless Architecture, Event-Driven Architecture, SOLID Principles, Object-Oriented Programming (OOP), Design Patterns, Role-Based Access Control (RBAC), OAuth 2.0, JWT, API Security, Secret Management

DevOps & Containers: Docker, Containerization, Azure Container Registry (ACR), Git, GitHub, GitHub Actions, Azure DevOps, Azure Repos, CI/CD Pipelines, Continuous Integration, Continuous Delivery, Unit Testing, Visual Studio, VS Code, Postman

Integrations: Monday.com, HubSpot CRM, DocuSign, SharePoint, Memberstack, SMS / Notification Services, Webhooks, Third-Party REST APIs

Project Management: Agile, Scrum, Kanban, Sprint Planning, Backlog Prioritization, GitHub Projects (Boards), Asana, Monday.com, Release Management, Resource Allocation, Project Planning, Milestone Tracking, Code Review, Technical Documentation

PROFESSIONAL EXPERIENCE

Kcube AI — Lahore, Pakistan

Sep 2022 – Present

Senior Software Engineer & Project Manager | Jun 2025 – Present

- Lead a 6-member cross-functional team of developers, QA analysts, and designers, running sprint planning, backlog prioritization, daily stand-ups, code reviews, and release management across concurrent product lines.
- Delivered 5 enterprise projects end to end from requirements through production, serving 100,000+ registered users and 50,000+ daily active users across recruitment, agricultural workforce, and AI product domains.
- Own technical requirements gathering and stakeholder communication with international clients, translating business objectives into technical roadmaps, estimates, milestone plans, and delivery timelines.
- Coordinate task delegation, resource allocation, and cross-functional collaboration between engineering, QA, and product teams to maintain on-time delivery and predictable release cadence.
- Manage project risk, scope, and quality through structured code review, technical documentation, and post-deployment support, while remaining hands-on for architecture decisions and high-complexity development.

- Mentor junior and mid-level developers through pair programming, architectural guidance, and code review, raising code quality and reducing defect rates.

Software Engineer | Sep 2022 – Jun 2025

- Designed and built enterprise SaaS portals end to end using ASP.NET Core, C#, Entity Framework Core, and Microsoft Azure, supporting scalable multi-tenant workflows for 20,000+ to 100,000+ user platforms.
- Engineered high-volume data processing in .NET handling 200,000+ database upserts alongside user management, provisioning, and reporting modules, with optimized SQL Server and PostgreSQL queries, stored procedures, and indexing strategies.
- Built Python and FastAPI REST APIs with Pydantic models and asynchronous endpoints powering MixClip (AI video editing with auto-subtitles, voiceovers, and text-to-video) and PixUpscale (AI image enhancement, restoration, and photo-to-illustration), integrating the OpenAI SDK and PostgreSQL.
- Engineered Retrieval-Augmented Generation (RAG) search pipelines using vector search, hybrid search, and embedding models on Azure AI, achieving 85%+ answer accuracy for enterprise conversational search.
- Implemented secure authentication and role-based access control (RBAC) using Azure AD B2C and Microsoft Entra ID, enforcing least-privilege authorization across multi-tenant enterprise portals.
- Engineered serverless architecture on Azure Functions, Storage Queues, and Key Vault for background processing, automated credential rotation, and third-party data synchronization.
- Integrated third-party platforms including Monday.com, HubSpot CRM, DocuSign, SharePoint, and SMS notification services, enabling automated workflows and real-time data synchronization across systems.
- Developed Power BI dashboards and data engineering pipelines consolidating multi-source data into executive KPI reporting for business decision-making.
- Containerized applications with Docker and managed image builds and versioned deployments through Azure Container Registry (ACR), standardizing environments across development, staging, and production.
- Maintained and enhanced production systems through CI/CD pipelines, performance profiling, bug resolution, and continuous delivery, sustaining 99% uptime.

AJK IT Board — Muzaffarabad, Azad Jammu & Kashmir, Pakistan

Jan 2021 – Sep 2022

Associate Software Engineer

- Developed and maintained a government CMS portal using ASP.NET and SQL Server, centralizing content and data management across 9 districts.
- Automated report generation with filtering, aggregation, and performance optimization, reducing a full working day of manual reporting to minutes.
- Designed and optimized complex SQL queries, stored procedures, and reporting modules to accelerate district-level data retrieval and analysis.
- Implemented role-based access control (RBAC) and secure authentication, safeguarding authorized access to sensitive public-sector data.
- Built interactive dashboards and metrics-based reports that enabled data-driven decision-making for management stakeholders.
- Enforced application security, user authorization, and efficient data handling standards across all modules.

SELECTED PROJECTS

MixClip — AI Video Editing Platform — *Python, FastAPI, PostgreSQL, OpenAI SDK*

Browser-based AI video editor offering auto-subtitles, AI voiceovers, and text-to-video generation. Built asynchronous FastAPI REST APIs with Pydantic request/response models, integrated the OpenAI SDK for AI-assisted media generation, and designed PostgreSQL schemas for media assets and job state. (mix-clip.com)

PixUpscale — AI Image Enhancement Platform — *Python, FastAPI, PostgreSQL, OpenAI SDK*

AI platform for image upscaling, restoration, and photo-to-illustration transformation. Developed async FastAPI endpoints for long-running image processing jobs, Pydantic-validated API contracts, and PostgreSQL-backed job and asset tracking. (pixupscale.com)

ALA Candidate Portal — *ASP.NET Core, Azure, MySQL* — 50,000+ daily active users

End-to-end candidate lifecycle management platform. Architected candidate provisioning, secure authentication, and RBAC onboarding; delivered training management, file handling, and document workflows; built payslip, tax declaration, and superannuation modules for financial compliance; integrated DocuSign e-signature with automated approvals; configured SMS alerts and notification services; established data engineering pipelines for third-party integrations and centralized reporting. (candidates.agrilabour.com.au)

ALA Staff Portal — *ASP.NET Core, Azure*

Internal staff operations and candidate administration system. Delivered candidate profile management, status tracking, and lifecycle handling; configured tax declaration and deduction authorization workflows for payroll compliance; integrated training management and completion tracking; implemented workflow automation and granular admin permission controls. (staff.agrilabour.com.au)

Intella Quest — Enterprise AI Chatbot — *Azure AI, Azure Functions, SharePoint, RAG* — *85%+ accuracy*

Enterprise conversational AI assistant. Designed RAG search pipelines combining vector search, hybrid search, and embedding models for high-accuracy retrieval; integrated SharePoint for secure enterprise document access; implemented authentication and role-based access for enterprise users; built Azure Functions-based automation for backend orchestration.

Supavest Investor Portal — *Third-Party Integrations, Memberstack*

Investor onboarding and property workflow platform. Implemented HubSpot CRM synchronization for lead management; delivered real estate property management features; configured domain-based authentication via Memberstack for secure investor access; built API-based data synchronization with external platforms.

Google Service Account Key Rotation Automation — *Azure Functions, Azure Key Vault, GCP*

Security automation eliminating manual credential management. Implemented scheduled auto-rotation of Google Cloud service account keys; centralized secret storage and versioning in Azure Key Vault; reduced downtime risk and security exposure through automated credential lifecycle handling.

AJK PM Directives CMS — *ASP.NET, SQL Server* — *9 districts*

Centralized content and directive-tracking portal for provincial government. Built RBAC-secured content management, optimized SQL reporting modules, interactive KPI dashboards, and automated report generation with filtering and aggregation.

EDUCATION

Bachelor of Science in Computer Science

University of Azad Jammu and Kashmir, Muzaffarabad, Pakistan | 2015 – 2019 | First Division

Relevant coursework: Object-Oriented Programming, Database Management Systems, Computer Networks, Software Project Management, Web Development

LANGUAGES

English — Professional Working Proficiency | Urdu — Native