

UZAIR IQBAL

Solutions Architect | AI Systems | Distributed Backends | 10+ Years

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ABOUT ME

AI Engineer with 10+ years of experience building scalable backend systems and AI-driven automation platforms across fintech and SaaS environments. Hands-on experience with LLMs (OpenAI, Claude, Gemini), agentic workflows, RAG pipelines, and generative AI systems used in production. Strong in Python (FastAPI), REST APIs, distributed systems, microservices, and event-driven architectures, with experience handling high-concurrency workloads. Experienced with AWS (SQS, ECS, Lambda), async processing, and building automation systems that replace manual workflows and improve operational efficiency.

WORK EXPERIENCE

DISRUPT.COM (VENTURE STUDIO BUILDING AI-POWERED SAAS PRODUCTS) | 2017 – 2026

Solutions Architect (2024 – Present)

Wellows – AI-driven content generation and publishing automation platform

- Architected AI-driven content generation platform enabling automated publishing workflows across multiple clients — designed for horizontal scalability, high availability, and multi-tenant production readiness from day one
- Designed distributed system architecture supporting 10K+ concurrent users, combining real-time WebSocket delivery with async SQS-backed job processing
- Integrated OpenAI and Claude APIs into production pipelines, automating content generation, classification, and summarization workflows — reducing processing time from days to hours
- Defined cloud architecture standards and service contracts across 5+ microservices, establishing SLAs and improving scalability, high availability, and production readiness across engineering teams
- Reduced API latency from 800ms → 120ms through async refactoring, enabling 3× higher concurrency and throughput
- Led evaluation of messaging systems (RabbitMQ vs SQS) and drove adoption of AWS SQS for cost efficiency and operational simplicity, formalized via team-wide RFC
- Redesigned core processing pipeline to event-driven architecture on SQS, eliminating tight service coupling and improving fault isolation across services

Solutions Architect (2023 – 2024)

Savour – Pakistan's leading cashback and rewards platform 1m+ users

- Led technical leadership and architecture review process across 4+ engineering teams, applying SOLID principles and introducing ADRs to document tradeoffs and align on standards
- Decomposed monolith into 12 microservices using Domain-Driven Design principles, cutting average feature delivery time from 3 weeks to 5 days (~30% faster)
- Led API and data architecture for a cashback platform processing 5,000+ transactions/day, supporting real-time settlement and partner integrations across 100+ merchants
- Standardized onboarding documentation, Agile workflows, and CI/CD pipelines, reducing new developer ramp-up from 2 weeks to 10 days
- Implemented role-based access controls and audit logging across financial data pipelines, improving system security and traceability
- Collaborated with product and business stakeholders to translate requirements into scalable solution designs, ensuring technical decisions aligned with business SLAs and delivery timelines

Associate Architect – Saviour (2021 – 2022)

- Contributed to architecture design for a large-scale search and user interaction platform, supporting high-concurrency workloads across millions of users
- Optimized search algorithms and system performance, improving search-driven engagement by ~10%
- Improved platform reliability through targeted infrastructure changes, lifting overall user experience metrics by ~15%
- Strengthened security posture and implemented performance and cost optimizations across core services

Senior Engineer → Lead Engineer – Savyour (2017 – 2021)

- Progressed from Senior Engineer to Lead, growing from individual contributor to leading engineers across backend systems serving a rapidly growing user base
- Built high-performance APIs and backend systems supporting core platform operations, high-volume user interactions, and third-party integrations
- Improved system reliability and reduced technical debt through targeted optimization and refactoring of critical services
- Improved team productivity by ~30% through structured mentorship, training programs, and engineering best practices
- Established development standards based on SOLID principles and clean architecture patterns, with code review workflows ensuring scalable and maintainable codebases

EFU LIFE INSURANCE & TPL LIFE INSURANCE | 2021 – 2023

Enterprise Systems Consultant (Contract)

- Delivered enterprise-grade solutions for leading insurance organizations in high-compliance, financial environments
- Developed backend services using Java Spring Boot within IBM FileNet systems, supporting document workflows at scale
- Designed and optimized workflows handling large volumes of documents and business processes daily
- Built secure APIs and backend systems supporting high-volume internal enterprise operations
- Improved processing efficiency and system performance through workflow and backend optimizations

HHELIOS CONSULTANTS | 2016 – 2017

Senior Software Developer

- Delivered enterprise web solutions across multiple client domains using PHP frameworks and MySQL
- Contributed to system design decisions enabling scalable, maintainable architecture foundations

AXACT | 2014 – 2016

Senior Software Developer

- Delivered 100+ web applications for international clients across diverse industries using PHP, MySQL, and modern web technologies
- Developed RESTful APIs and backend services for data-driven applications at scale

SOCIAL HUBRIS | 2012 – 2014

Web Developer

- Built full-stack web applications and client solutions using PHP, MySQL, and modern web technologies across multiple concurrent projects

TECH STACK

Core Technologies:

Python (FastAPI, LangChain), Java (Spring Boot), PHP (Laravel, Lumen), JavaScript, .NET

AI & LLM:

LLM Integrations (OpenAI, Anthropic Claude, Gemini), Agent-Based Systems (LangGraph), RAG Pipelines, AI Automation Workflows, Prompt Engineering, MCP (Model Context Protocol)

Architecture & Systems:

Distributed Systems, Microservices, Event-Driven Architecture, Domain-Driven Design (DDD), SOLID Principles, CQRS, Repository Pattern, High-Concurrency Systems, High Availability, Async Processing, REST APIs, WebSockets, Agile/Scrum

Databases & Caching:

PostgreSQL, MySQL, MongoDB, Redis, SQL Server, Qdrant (Vector Search)

Cloud & DevOps:

AWS (ECS Fargate, Lambda, RDS, ElastiCache, SQS, API Gateway, CloudWatch), Docker, Terraform, GitHub Actions, CodePipeline

Observability & Security:

CloudWatch, Structured Logging, Role-Based Access Control, PII Encryption, Audit Logging

CERTIFICATIONS

AI & Machine Learning

- Machine Learning with Python — IBM (2024)
- Generative AI: The Evolution of Thoughtful Online Search — LinkedIn (2023)
- Leveraging Generative AI in Finance and Accounting — LinkedIn (2024)
- Claude 101 — Anthropic (2026)
- Claude Code in Action — Anthropic (2026)

Professional & Technical

- Laravel Certification — Laravel (2022)
 - MCP (Microsoft Certified Professional) — Microsoft
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EDUCATION

Bachelor of Computer Science

Newports Institute of Communications & Economics

ACCP — Aptech Certified Computer Professional (3-Year Diploma)

Aptech Computer Education | 2011 – 2014

Intermediate

S.M Arts & Commerce College