

OMER FAROOK MOHIDEEN ABDUL KADER

Principal Software Engineer | Cloud & AI Platform Architecture

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18+ years building and scaling cloud-native, AI-enabled platforms with .NET, Python, Azure, and Databricks. Skilled in developing intelligent AI pipelines and leveraging AI-assisted coding tools to accelerate development. Expert in microservices, CI/CD, and observability, delivering reliable and scalable systems.

Work Experience

Senior Software Engineer

Suzy Inc

Nov 2021 - Present

- Led the SaaS backend architecture, delivering 60+ high-impact features that strengthened system reliability
- Architected a LangChain-inspired Python AI application with intelligent chunking and image detection, enabling scalable LLM workflows using OpenAI 4o-mini.
- Designed and implemented directory-based horizontal sharding, generating \$150K in annual savings
- Implemented hypership strategy for Elasticsearch clusters, reducing downtime by over 90%
- Engineered Data Warehouse, boosting data accessibility and analytics-driven decision-making by 70%
- Orchestrated a Databricks pipeline to summarize and vectorize customer responses using LLMs, enabling AI-powered conversational access
- Enhanced platform with SSO, and advanced APM, improving issue resolution by 40%

Manager

Cognizant Technology Solutions US Corp, US

Feb 2014 - Nov 2021

- Led the design, development, and enhancement of an advanced RQI system that generated multimillion-dollar revenue from Liability, Auto, and Worker Compensation policies
- Modernized legacy monolith into cloud-native microservices architecture
- Integrated 3rd services LexisNexis, Verisk, CoreLogic, and POLK to enhance data accuracy and processing
- Re-architected MVR ordering process using TransUnion, achieving \$1M annual savings
- Developed legacy policy data archival solution from IMS to FileNet, reducing storage costs by \$6K/year
- Executed 15+ Technology currency initiatives such as W2K16, SQL2016, CA Gen 8.5, RHEL 7 & WAS 9

Senior Associate Projects

Cognizant Technology Solutions, IND

Feb 2010 - Feb 2014

- Led the development of SCTS application, generating online Certificate of Insurance, saving \$150K/month
- Achieved 99% high availability of applications by implementing monitoring and alerting system

Software Developer

Aspen Innovation Pvt. Ltd, IND

May 2008 to Feb 2010

- Developed QA application for provider voice files and transcriptions, boosting team productivity by 35%
- Implemented an in-house payroll system, reducing finance team time and costs by over 50%

Software Developer

Citysoftware, IND

Aug 2005 to May 2008

- Modernized money exchange platform connecting 20+ HK branches for real-time transactions
- Built online movie ticket booking app, improving customer engagement and convenience

Skills

- Frameworks & Languages: C#, .NET Core, ASP.NET, Blazor, REST APIs, Entity Framework, React, TypeScript
- Databases & Storage: SQL Server, Cosmos DB, MongoDB, MySQL, Elasticsearch, Databricks
- Cloud Services: Azure (App Services, Functions, Logic Apps, Service Bus, Key Vault, AKS), AWS S3
- DevOps & Tools: Azure Devops, Azure Bicep, Docker, GitHub Actions, Grafana, Jenkins
- AI/ML & Emerging Tech: Python, LangChain, LangGraph, PostgreSQL; leveraging AI-assisted coding tools (Copilot, Cursor, LLM agents) for faster development

Achievements

- Cognizant FIFA award winner for eliminating vendor product from client application saving 100K dollars
- Led technology modernization in 70+ applications, ensuring compliance, scalability, and performance

Education

Bachelor of Computer Science and Engineering Madurai Kamaraj University, Tamilnadu, India 2000 - 2004