Deepesh Bagora

Phone: +65 87853436 | Email: deepeshb88@gmail.com | LinkedIn: linkedin.com/in/deepesh-bagora |
Portfolio: deepeshbagora.github.io/info

Professional Summary

Senior Software Developer with 7+ years building high-performance financial systems in C#/.NET. Proven track record delivering $1M+ FX trading platforms processing real-time price feeds for 500+ users. Passionate AI/ML enthusiast actively building RAG systems, LLM-powered workflows, and exploring cutting-edge AI applications in finance. Combines deep fintech expertise with hands-on AI experimentation — eager to apply both to greenfield AI initiatives.

Technical Skills

Core Languages:	C# (Expert, 7+ years), Python, SQL, JavaScript, TypeScript
AI/ML & Data:	LLMs, RAG (Retrieval-Augmented Generation), Vector Databases, LangChain, Prompt Engineering, Graph RAG
Frameworks:	.NET Core, ASP.NET, React, Node.js, Express, WCF
Cloud & DevOps:	Azure (AZ-204 Certified), Docker, CI/CD Pipelines, Jenkins, Git
Data & Messaging:	SQL Server, MongoDB, Kafka, Solace MQ, WebSockets, REST APIs
Finance Domain:	FX Trading Systems, Real-time Pricing, Bloomberg/JPM Integration, Trade Lifecycle

Experience

P-serve Pvt. Ltd. → OCBC Bank
Senior Software Developer
April 2025 — Present | Singapore

- Architected microservice and micro-frontend transformation using React Module Federation, enabling independent module deployment and faster feature delivery
- Built real-time data reconciliation module for cross-system identity verification, reducing manual audit time by 60%
- Designed reusable libraries and frameworks adopted across multiple teams, accelerating development velocity
- Mentor junior developers on architectural patterns, code quality, and modern development practices

Quesscorp Singapore Pte. Ltd. → OCBC Bank
Senior Software Developer
February 2023 — February 2025 | Singapore

- Led migration from .NET Framework to .NET Core/React, transforming 2-tier architecture to modern 3-tier design
- Implemented CI/CD automation reducing deployment time and enabling continuous delivery from Jira triggers
- Built standardized libraries for data processing automation, reducing development time by 30%
- Integrated multiple upstream/downstream systems via Kafka event streaming and REST APIs

Finiq Consulting India Pvt. Ltd.
Software Developer → Lead Developer
June 2018 — February 2023 | India & APAC

- Youngest lead developer on 2 projects worth $1M+ each, building FX trading platforms for major APAC banks
- Developed real-time price streaming system integrating Bloomberg and JPM liquidity feeds via WebSockets for 500+ traders
- Automated FX pricing and booking workflows, reducing execution time from 15 minutes to under 30 seconds
- Optimized batch processing for 30K+ customer records from 5-6 minutes to under 40 seconds
- Built complex Spread Framework for configuring margins, ratios, and discounts across currency pairs
- Provided on-site client support across Singapore, Malaysia, and Philippines

AI/ML Projects (In Development)

Hybrid Graph RAG System
Next-generation retrieval system combining Graph RAG with traditional vector-based RAG for superior query accuracy.

- Building hybrid architecture merging knowledge graphs with vector embeddings for context-aware retrieval
- Exploring multi-stage retrieval pipeline with query decomposition and semantic caching
- Technologies: Python, LangChain, Neo4j, Vector Databases, LLM APIs

AI Workflow Automation Platform
Multi-model orchestration system for intelligent task routing and automation.

- Developing intelligent routing layer selecting optimal AI models based on task complexity and cost
- Integrating with n8n for workflow automation and Claude for autonomous operations
- Technologies: Python, n8n, Multiple LLM APIs, Oracle Cloud Infrastructure

Projects

E-FX Trading Platform (Multiple APAC Banks)

End-to-end FX trading system enabling real-time price streaming and trade execution for bank traders and RMs.

- Core pricing engine processing live feeds from Bloomberg, JPM, and other liquidity providers
- WebSocket-based price distribution serving 500+ concurrent users with sub-second latency
- Trade flow integration with downstream systems (Murex) via Solace MQ messaging

Vehicle Audit Management Platform (Freelance)

Full-stack cross-platform application for vehicle inspection tracking and management.

- Architected .NET 8.0 REST API with MongoDB/Cosmos DB and Azure Blob Storage integration
- Built cross-platform mobile app (iOS, Android, PWA) using React Native and TypeScript
- Implemented dynamic schema system enabling custom audit forms without code changes
- Delivered PWA with offline support via Service Workers and camera/GPS integration

Enterprise ITSM Platform (Major Singapore Bank)

Greenfield enterprise platform for IT service management with microservices architecture.

- Architected modular system: Change Management, Asset Management, Incident Management
- Implemented micro-frontend architecture using React Module Federation for team autonomy
- Event-driven design using Kafka for cross-system communication and data consistency

Education

RGPV Bhopal

Bachelor of Engineering - Computer Science Engineering

June 2014 – June 2018

Certifications

Microsoft Certified Azure Developer Associate (AZ-204)

April 2022 – April 2026

View Credential