

# ABDUL NASIR MUNIRU, CBAP®, PMI-ACP®, CRISC

AI Architect | Agentic Systems on Azure AI Foundry | RAG, LangChain, Tool-Calling Architectures

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## PROFESSIONAL SUMMARY

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AI Architect with four years designing and delivering production-grade agentic AI systems on Azure and AWS, including Retrieval-Augmented Generation (RAG) pipelines, tool-calling architectures, and multi-agent orchestrations using LangChain, CrewAI, and AutoGen. CBAP-certified business analyst with PMI-ACP Agile delivery and CRISC risk and information systems control, specializing in moving Generative AI from MVP to productized platform with full attention to non-functional requirements: performance, reliability, observability, and security. Hands-on with Azure OpenAI, vector search, REST API design, JSON schema, and event/message-based integration patterns; daily collaborator on GitHub, Jira, and ServiceNow change/ITSM workflows in regulated, multi-program enterprise environments.

## CORE COMPETENCIES

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### Agentic AI & Generative AI Architecture

Production-grade agentic AI systems on Azure (not just PoC) | Azure AI Foundry platform patterns | Azure OpenAI Service | Tool-calling architectures | RAG pipelines | Vector search | Embeddings | LangChain | Semantic Kernel-aware | CrewAI | AutoGen | LangSmith / equivalent for tracing and evaluation | Emerging agent frameworks: MCP (Model Context Protocol), A2A (Agent-to-Agent) | Multi-agent orchestration

### Productization, Scale & Operations

MVP to productized platform: refactoring, hardening, non-functional requirements (performance, reliability, observability, security) | Azure deployment: AKS, App Service, Functions | SRE/DevOps collaboration on runbooks, SLIs/SLOs, logging, monitoring | Incident management and post-mortems in production | Multi-program platform reuse and versioning across products and teams

### Integration & Interfaces

REST API design and integration | JSON schema definition | Event/message-based patterns | Microservices | Cloud-native architecture

### Tooling & Collaboration

GitHub (repos, PRs, Actions) | Jira (backlog, boards, epics) | ServiceNow (change and incident management, ITSM) | Visio, Figma for architectures, sequence diagrams, interaction flows | Mural / Miro for collaborative design with distributed teams

### Business Analysis, Risk & Compliance

CBAP-certified | BRD/FRD | BPMN process modeling | Acceptance criteria | PMI-ACP Agile (Scrum, Kanban, SAFe-aware) | RICE, MoSCoW prioritization | CRISC-aligned risk management | PIPEDA, GDPR, SOC 2 controls | Operational technology (OT) cybersecurity | Audit logging | Access governance

### Languages & Tools

Python (Pandas, NumPy) | SQL | Power BI | Tableau | Postman | n8n

## PROFESSIONAL EXPERIENCE

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### eLogik.ai — Founder & Principal AI Solutions Architect

January 2021 – Present

Ontario, Canada (own consultancy)

Founder of eLogik.ai, a Canadian AI consultancy. Engagements have evolved from cloud and IT advisory for SMB and public-sector clients (2021 to 2023) into AI Solutions Architecture for enterprise Generative AI platforms (2024 to Present).

#### AI Solutions Architecture (2024 to Present):

- Designed and delivered **production-grade agentic AI systems on Azure and AWS**, including tool-calling architectures, RAG pipelines, and multi-agent orchestrations using LangChain, CrewAI, and AutoGen, with Azure OpenAI and vector search at the core.
- Took multiple AI features from **MVP to productized platform**, leading refactoring, hardening, and non-functional requirements (performance, reliability, observability, security) so client engineering teams could ship without surprise incidents.
- Lifted user satisfaction **30%** by leading defect triage and AI output validation across enterprise AI platforms; defined evaluation harnesses with precision, recall, F1, and ROC-AUC, and stood up tracing for prompts, tools, and agent runs.
- Defined integration patterns using **REST APIs, JSON schemas, and event/message-based architectures** across distributed microservices, ensuring approved data sources, governed access, audit logging, and retention policies aligned to CRISC and PIPEDA controls.

- Collaborated daily on **GitHub** (repos, PRs, Actions), **Jira** (epics, boards, backlog), and **ServiceNow** (change and incident management) in multi-program environments where platform components were reused and versioned across products and teams.
- Documented architectures, sequence diagrams, and interaction flows in **Visio and Figma**; drove collaborative design with distributed teams in **Mural and Miro**.
- Experimented with emerging agent frameworks and patterns including **MCP (Model Context Protocol)** and **A2A (Agent-to-Agent)**, applying them in real client workflows for tool composition and multi-agent coordination.

#### Cloud & IT Solutions Advisory (2021 to 2023):

- Built and maintained cloud infrastructure on **Azure and AWS** for SMB, mid-market, and public-sector clients, applying access controls, patch management, backup/DR, and security monitoring practices aligned to CompTIA Security+ and CRISC.
- Translated business problems into technical solutions through requirements gathering, vendor evaluation, and system selection; led implementation, UAT, and stakeholder training so adoption stuck.

#### Appnovation — Product Manager (AI Solutions)

August 2024 - July 2025

Toronto, ON

- Architected and shipped AI-enhanced features at scale on client digital platforms by **integrating third-party LLM APIs (OpenAI, Anthropic)** with prompt orchestration, retry/fallback logic, and cost-aware model routing.
- Designed evaluation harnesses for prompt variants and model choices and ran structured A/B tests, lifting primary conversion rate **8.5% over six months**.
- Wrote AI-ready user stories with explicit model inputs, output expectations, edge cases, and acceptance criteria, eliminating handoff ambiguity that typically stalls AI delivery in Product/Engineering/Data triads.
- Improved post-release decision-making **8 to 12%** by defining adoption metrics and product KPIs for AI-enabled features.

#### Ghana Maritime Authority — IT / VTMIS Officer

November 2022 - July 2025

Ghana

- Operated and hardened the **Vessel Traffic Management Information System (VTMIS)**, Ghana's national maritime surveillance platform, in a safety-critical operational technology (OT) environment.
- Hardened the OT environment by managing access controls, patch cycles, network segmentation, and incident response procedures, protecting safety-critical systems against maritime OT cybersecurity risks.
- Translated regulator and stakeholder needs into BRD/FRD specifications using CBAP requirements engineering practices; ran UAT and rollout for new system capabilities.

## EDUCATION

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- **Master of Management, Innovation & Entrepreneurship** — Smith School of Business, Queen's University | Aug 2024 - Jul 2025 | GPA 3.62 (launched award-winning AI startup as graduation achievement)
- **Masters, Applied Engineering** — University of Northern Iowa | Aug 2025 - Dec 2026 (in progress; Information & Electrical Systems / Engineering Management track)
- **Bachelor of Science, Computer Applications Technology** — Xi'an University of Technology, China | Sep 2018 - Jun 2021
- **Advanced Certificate, Applied Data Science with Python** — University of Michigan

## CERTIFICATIONS

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- **CBAP (IIBA) | PMI-ACP (PMI, 2023) | CRISC (ISACA) | Lean Six Sigma Green Belt, 2023**
- **AWS Cloud Practitioner, 2021 | CompTIA Security+, 2021 | Certified in Cybersecurity (ISC2 CC) | Google Project Management Professional, 2022**

## AI / ML PROJECTS & RECOGNITION

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- **myTapDom** — Proprietary AI platform. Winner of UNI Intellectual Property Award 2025 and Ghana Innovative Product of the Year 2025.
- **Agentic RAG using AutoGen for eCommerce** — Microsoft AutoGen, LangChain, vector databases. Lifted response accuracy 25%.
- **Multi-Agent System for Hotel Reservations** — LangChain/Python; automates dynamic price negotiation and booking across multiple vendor APIs.
- **Multi-Agent System for Software Engineering & Testing** — CrewAI/AutoGen; task-decomposition agents for code generation, review, and test orchestration.
- **Publications** — Springer Nature (image processing/TV denoising), IEEE Xplore (PDE deduction in adaptive image denoising; AI-Enhanced Twofish Encryption for secure voting), Research (Machine Learning for Cybersecurity: Malware Detection on PE files).