

Mena Botrous

AI Architect | CDP | CLM | CBA

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PROFESSIONAL SUMMARY

AI architect and automation specialist with 9+ years spanning healthcare data, clinical analytics, and AI system design. Founder of NuMust, specializing in agentic systems, LLM pipelines, and workflow automation. Deployed 200+ AI systems and 1,000+ AI agents automating 350,000+ hours of operations. Background as a physician and health insurance claims auditor brings unique precision to regulated industries. Certified in data analysis, lean management, and business analysis.

200+

AI Systems Deployed

350K+

Hours Automated

1,000+

AI Agents Running

PROFESSIONAL EXPERIENCE

Founder & CEO | AI Architect

Nov 2022 - Present

NuMust

Oklahoma, USA

- Founded and lead an AI consulting firm specializing in agentic systems, workflow automation, and LLM integration.
- Architected and deployed 200+ AI systems across multiple industries, combining strategic planning with hands-on technical implementation.
- Built and maintain 1,000+ autonomous AI agents handling operations, research, and content pipelines.
- Automated 350,000+ hours of operational work through intelligent workflow design and agent orchestration.
- Oversee client relationships, service delivery, partnerships, branding, and financial management.

Founder & CEO | Lead Options Markets Trader

Nov 2019 - Present

Mollz

Oklahoma, USA

- Lead strategic direction and high-level decision-making for a financial markets trading company.
- Traded over 2.5 million shares and 2,000+ options contracts across NASDAQ, NYSE, and AMEX.
- Developed signature 3x3 Strategy using statistical analysis of historical data and market trend anticipation.
- Execute hundreds of trades per day using multiple electronic trading platforms.

Health Insurance Claims Auditor & Analyst

Sep 2012 - Mar 2016

MediVisa for Medical Claims Settlement

Cairo, Egypt

- Audited and processed 420,000+ medical claims using ICD-10-CM coding with 97% accuracy.
- Processed 750 claims per day with zero error rate on validated claims.
- Trained and managed audit teams, increasing per-biller throughput by 20%.
- Ensured compliance with all HIPAA regulations throughout claims processing.

Chief Physician & Medical Director

Dec 2013 - Sep 2014

Ministry of Health and Population, Egypt

Cairo, Egypt

- Led primary care operations at a government medical center, seeing 10+ patients daily.
- Improved single-visit care rate from 30% to 70% by performing minor surgical procedures on-site.
- Promoted quality and patient safety through peer review and clinical quality assurance.

Medical Intern / Assistant / Scribe

May 2017 - Jun 2018

Axis Healthcare

Tulsa, Oklahoma, USA

- Managed over 2,000 patient accounts in AdvancedMD EHR/PM suite.
- Streamlined documentation in EHR, reducing time per visit by 5% while maintaining 100% accuracy.
- Provided ICD-10 diagnosis codes, improving patient care and record accuracy.

Resident Physician, Anesthesiology

Sep 2014 - Mar 2016

El Zaitoun Specialized Hospital

Cairo, Egypt

- Provided anesthesia to approximately 20 patients per day in an emergency department.
 - Managed surgical suites for 100+ surgeries daily, coordinating with 200+ medical staff.
 - Acted as Chief Medical Officer on Duty during night shifts.
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EDUCATION

MBBCH - Bachelor of Medicine and Surgery

Ain Shams University

2004 - 2012

Cairo, Egypt

Google Data Analytics Specialization

Google (Professional Certification)

Certified

Online

SAS Business Analytics Professional

SAS (Professional Certification)

Certified

Online

CERTIFICATIONS

CDP Certified Data Professional (Data Analyst)

CLM Certified Lean Manager (BKO/BKE Accredited)

CBA Certified Business Analyst

Also: Google Data Analytics Professional, SAS Business Analytics Professional,
EHR Specialist, Egyptian Medical Practice License

TECHNICAL SKILLS

AI Agent Architecture	95%
LLM Pipeline Design	90%
Workflow Automation	92%
Data Integration & Analytics	88%
Python / R Programming	85%
SQL / Tableau / Power BI	82%
SAS Visual Analytics	80%

LANGUAGES

English	Native or Bilingual
Arabic	Native or Bilingual
German	Limited Working
French	Elementary