EHAB NABEEL YAR

Certified Computer Scientist, Systems Analyst & PMP® (#4514551)

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PROFESSIONAL SUMMARY

Certified Computer Scientist, Systems Analyst, and PMI-certified Project Management Professional (PMP® #4514551), pursuing an M.CS in Computer Science at Umm Al-Qura University. B.Sc. in Computer Science with Honors (GPA: 3.60/4.00) and verified English proficiency (STEP: 78). Extensive background in enterprise DevOps management, CI/CD pipeline automation, systems analysis, change management (CR framework), and mission-critical high-availability architectures across public and private sectors.

EDUCATION & CREDENTIALS

Master of Computer Science - M.CS (Candidate) 2024 - Present

Umm Al-Qura University, College of Computing, Dept. of Computer Science & AI - Makkah, KSA

- Research: Serverless Edge Computing, Distributed Systems, High-Concurrency Database Engines, and AI Integration.

Project Management Professional (PMP®) - Credential ID: 4514551 Sep 2026 - Sep 2029

Project Management Institute (PMI) - Globally Verified Active Credential

- Certified in Predictive, Agile, and Hybrid Project Governance, Risk Management, and Technical Leadership.

Bachelor of Science in Computer Science (With Honors - GPA: 3.60 / 4.00) Graduation Batch 74

Umm Al-Qura University, College of Computing - Makkah, KSA

- Honors Capstone: Mawsem AI Retail Demand Forecasting Platform (SARIMAX Time-Series Analysis).

Standardized Test of English Proficiency (STEP) - Score: 78

National Center for Assessment (Qiyas / ETEC) - Verified Advanced English Proficiency

PROFESSIONAL EXPERIENCE

Application Support & DevOps Management Specialist

Al-Moammar Information Systems (MIS) / Saudi Electricity Company

- Directed enterprise DevOps practices and application operations for mission-critical Saudi Electricity systems.
- Automated end-to-end CI/CD delivery pipelines, orchestrating safe deployments and containerized services.
- Ensured 24/7 adherence to rigorous Service Level Agreements (SLAs) with zero tolerance for unmanaged downtime.
- Executed systematic Root Cause Analysis (RCA) and performance telemetry tuning across production clusters.

Change Management Officer & Systems Analyst

Al-Khaleej / Holy Makkah Municipality (Balady Platform)

- Spearheaded business process analysis and change management governance within the municipal digital ecosystem.
- Standardized Change Request (CR) framework and authored detailed Software Requirements Specifications (SRS).
- Aligned municipal business workflows with national Balady platform standards, minimizing deployment friction.

Technical Operations Manager & Specialist

Render Restaurants & Kitchens

- Managed comprehensive IT operations, local servers, isolated network infrastructure, and Point of Sale (POS) fleets.
- Automated operational and supply-chain reporting pipelines, reducing reconciliation turnaround time by 70%.
- Architected backup failover protocols ensuring zero transaction loss during business rush hours.

Technical Operations Supervisor & Systems Developer

Albait Guests (Consecutive Hajj Seasons 2023 - 2026, Leadership: Mr. Hattan Khan)

- Engineered and deployed 4 iterative generations of the Mission-Critical Field Passport Office App (OCR/NFC Hybrid System).
- Reduced document verification and cross-matching time by 85% (from 3 minutes to under 25 seconds per pilgrim).
- Developed and scaled the pilgrim accommodation and crowd-tracking system with 100% operational uptime.

Technical Trainer - AI Agents Engineering & Development

Miras Company

- Designed and delivered intensive technical curricula on building autonomous AI Agents and LLM orchestration.
- Trained software developers on prompt engineering, API integrations (Gemini API), and deterministic reasoning frameworks.

Co-op Systems Analyst & Field Data Trainee (15-Week Formal Program)

General Syndicate of Cars (Naqaba)

- Conducted systems analysis and relational data modeling for seasonal transport fleets and pilgrim bus telemetry.
- Built interactive performance analytics dashboards using Power BI and advanced SQL queries.

SELECTED ENGINEERING PROJECTS & RESEARCH

Mission-Critical Field Passport Office App (OCR/NFC Hybrid System)

- Offline-first field verification suite integrating asynchronous message queues, smart-chip decoding, and 85% latency reduction.

Mawsem AI Retail Demand Forecasting Platform (SARIMAX Algorithms)

- Multivariate predictive time-series platform integrating Hijri seasonal cycles with retail datasets, achieving >88% accuracy.

FenyDB - Ultra-Lightweight High-Performance NoSQL Key-Value Engine

- Engineered a fast, zero-dependency embedded Key-Value database storage engine supporting atomic transactions and memory caching.

Published Research: Serverless Edge Computing - A Systematic Literature Review

- Scientific paper published on ResearchGate indexing architectural trade-offs, cold-start latencies, and distributed edge frameworks.

Vibepedia - Architectural Guide for AI-Assisted Programming (vibepedia.eny.sa)

- Authored comprehensive architectural guidelines and mental models for high-efficiency AI-assisted software development.

Payments with Ehab - Edge-Powered Merchant Financial Hub (payment.eny.sa)

- Deployed a sub-50ms fintech portal on Cloudflare Workers edge nodes with instant IBAN validation and one-tap clipboard sharing.

TECHNICAL SKILLS & DOMAINS

- DevOps & Cloud: CI/CD Pipelines, Docker Containers, Infrastructure as Code, Release Automation, Observability, SLAs.
- Systems Analysis & Governance: BPMN 2.0, UML Diagrams, DFD, Requirements Engineering (SRS), Change Management (CR Framework), PMI PMP Standards.
- Backend & Data Architecture: Node.js, PHP (Pure OOP & Custom ORM), Java, Python, MySQL, PostgreSQL, MariaDB, FenyDB NoSQL, Redis.
- AI & Data Science: SARIMAX Time-Series, Scikit-learn, Arabic NLP, AI Agents Architecture, Gemini API Integration, Power BI.