

Omar Essam El-Din Mohamed

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PROFESSIONAL SUMMARY

A versatile Project Management Information Systems (PMIS) Engineer with extensive experience in construction, civil engineering, and data engineering. Proven expertise in project control, programming, and data science, with a strong ability to automate tasks and optimize workflows. Dedicated to delivering efficient solutions under tight deadlines and improving team performance.

EDUCATION

Cairo University, Bachelor of Science in Civil Engineering, May 2013

Overall Grade: Good (C)

Project Grade: Excellent (A) Graduation Project: Steel Bridges Design

Orouba Language School, Graduation Score: 98.9% (405.5/410)

PROFESSIONAL EXPERIENCE

Programming and Data Engineering Experience

- **Data Engineer Lead** — Rowad Modern Engineering (Aug 2024 – Present)
 - Established a data warehouse team and integrated data sources for improved reporting.
- **Data Scientist** — Rowad Modern Engineering (Mar 2024 – Jul 2024)
 - Developed machine learning models for cash flow predictions.
- **Senior Data Engineer** — Rowad Modern Engineering (Apr 2023 – Dec 2023)
 - Automated repetitive tasks using Python, saving significant resource hours.
- **IT Networking / Data Engineer** — Rowad Modern Engineering (Jan 2023 – Present)
 - Maintained SQL and MySQL databases, ensuring seamless data access and storage.
- **Co-Owner** — Cyber Cafe (2009 – 2011)
 - Managed hardware and networking for all systems.

Construction and Civil Engineering Experience

- **Project Control Section Head** — Rowad Modern Engineering, Bridges Sector (Sep 2021 – May 2023)
 - Managed the project control team for bridge projects. Streamlined cost and schedule reporting processes. Enhanced coordination between construction and planning teams.
- **Senior Project Control Engineer** — Rowad Modern Engineering, Head Office (Jan 2019 – Aug 2021)
 - Oversaw multiple project schedules and cost control measures. Delivered periodic project performance reports to stakeholders.
- **Project Control Engineer** — Rowad Modern Engineering (Apr 2018 – Dec 2018)
 - Worked on major infrastructure projects including Nefisha Bridge and El Sokhna Tunnel.
- **Tendering Engineer** — Rowad Modern Engineering, Tender Department (Jan 2018 – Mar 2018)
 - Evaluated project tenders for technical and financial feasibility.
- **Planning/Cost Control Engineer** — Concrete Plus (Apr 2015 – Jan 2018)
 - Coordinated cost control for multiple projects from the head office.
- **Site Engineer** — Concrete Plus, Porto October Project (Apr 2014 – Mar 2015)
 - Supervised on-site construction activities, ensuring compliance with design specifications.

KEY SKILLS

- **Technical Tools:**
Primavera P6, MS Project, Synchro, Revit, Navisworks, Power BI, AutoCAD
- **Programming:**
Python, SQL, Java, C++ (familiar), C# (familiar)
- **Data Engineering:**
ETL pipelines, Airflow, Spark, ERP systems
- **Software:**
Microsoft Office (expert in Excel), Adobe Photoshop, Illustrator, After Effects
- **Construction Expertise:**
Cost control, tender evaluation, risk management
- **Languages:**
Arabic (Native), English (Fluent)

CERTIFICATIONS

- *Certified Data Scientist Professional (Epsilon AI)*
- *Primavera P6*
- *Python Programming*
- *PMP Certification*
- *CCNA and CCNP Networking*
- *Steel Bridges Design*

PERSONAL PROJECTS

- *Guitarist in an Iron Maiden cover band.*
- *Created a music YouTube channel with over 100,000 subscribers.*
- *Co-created the social media group ESS.*
- *Co-hosted a political podcast.*
- *Wrote two sci-fi novels.*
- *Worked in the rescue of street cats and dogs in Maadi.*