

# PETER GHATTAS DANIEL

## MERN Stack | Data Analyst | Civil Engineer

Cairo, Ghamra, Egypt | pghatas7@gmail.com | [www.linkedin.com/in/peter-ghattas](http://www.linkedin.com/in/peter-ghattas) | +20 01274787766

---

### SUMMARY

---

Detail-oriented Data Analyst with a strong background in civil engineering. Proven expertise in data collection, analysis, visualization, and reporting using advanced tools like Power BI and MongoDB. Adept at driving data-driven decision-making and optimizing operational efficiency. Certified by Google in Data Analysis, with a solid foundation in programming and data management.

### PROFESSIONAL EXPERIENCE

---

#### Cleopatra cement | Data Analyst

Jan 2023- Present

- **Data Collection & Reporting:** Collected, validated, and analyzed daily and monthly production data to support operational and strategic decision-making.
- **Performance Analysis:** Prepared daily performance reports for each mill, including peak-time and efficiency analysis to optimize production output.
- **SAP Production Module:** Actively worked on SAP Production processes, monitoring production orders and tracking operational performance.
- **Procurement Operations (SAP):** Created and followed up on Purchase Orders (PO) and worked with Purchase Requisitions (PR) in coordination with inventory and production requirements.
- **Inventory Management (SAP):** Applied SAP inventory processes, including material movements, stock monitoring, and alignment between production and warehouse data.
- **Inventory Control:** Monitored silo capacities and material levels daily to ensure uninterrupted production and efficient stock utilization.
- **Data Visualization:** Built interactive dashboards and operational reports using Power BI to provide clear insights for management and stakeholders.
- **Database Management:** Developed and executed MongoDB queries for efficient data extraction, transformation, and analytical reporting.

#### NationalConstruction| Civil Site Engineering

Aug 2022 - Jan 2023

- **Project Management:** Led a project to enhance railway station functionalities through automation and advertisement placements.
- **Logistics & Compliance:** Managed project logistics and ensured adherence to engineering standards and protocols.

#### FamilyForConstruction| Civil Site Engineering

Feb 2022-Aug 2022

- **Construction Supervision:** Oversaw the construction of a multi-story building, focusing on concrete works and electrical distribution.

#### MediaTopFor Computer|maintenance Administrator

May 2015 - May 2018

- **System Maintenance:** Maintained and repaired computer systems, ensuring optimal performance and high levels of customer satisfaction.

### EDUCATION

---

- **Bachelor degree of civil engineering 2014 - 2019 Good -Minya** 2014 - 2019
- **PROJECT| Civil Engineering Department Graduation Project**  
Foundation Excellent

### SKILLS

---

- **Data Analysis Tools:** Power BI, MongoDB, Microsoft Excel
- **Programming Languages:** JavaScript, Python (Basic), SQL (Basic)
- **Web Development:** HTML, CSS, JavaScript, ReactJS, Node.js, Express.js, NestJS
- **Database Management:** MongoDB
- **Miscellaneous:** AutoCAD, Microsoft Office Suite, WordPress

## PROJECTS

---

### Aqua Water ERP & Installment Management System

Senior MERN Stack Developer

**Tech Stack:** NestJS, GraphQL, PostgreSQL, Next.js, Docker, Nginx, Telegram Bot

- Designed and developed a complete ERP solution for a water filtration company.
- Implemented installment management with automated payment tracking and reminders.
- Built maintenance scheduling and preventive maintenance reminder system.
- Generated automated invoices and customer payment statements.
- Developed HR modules including payroll, attendance, employee advances, and asset custody management.
- Implemented warehouse and inventory management with license-based access control.
- Integrated Telegram Bot for management notifications and operational reporting.
- Enabled real-time executive reporting for:
  - Inventory movement
  - Maintenance operations
  - Payroll summaries
  - Installment collections
- Deployed using Docker and Nginx for scalable production environments.

### K-Gallery E-Commerce Platform

MERN Stack Developer

**Tech Stack:** Next.js, NestJS, GraphQL, PostgreSQL, Telegram Bot

- Developed a full-featured e-commerce platform for online retail operations.
- Built administrative dashboard for:
  - Product management
  - Inventory control
  - Coupon management
  - Promotional campaigns
  - Customer wallet management
- Implemented email notification workflows.
- Integrated Telegram Bot for operational alerts and business monitoring.
- Developed secure order processing and customer management modules.
- Optimized platform performance and administrative workflows.

### PO Manager – Procurement Workflow System

MERN Stack Developer

**Client:** Royal Cement

**Tech Stack:** NestJS, GraphQL, Next.js, PostgreSQL

- Designed and developed a Purchase Order workflow management platform.
- Solved communication bottlenecks between:
  - Purchasing Department
  - Finance Department
  - Operational Departments
- Streamlined PO approval processes and reduced manual follow-ups.
- Implemented centralized request tracking and approval workflow.
- Improved procurement cycle visibility and department collaboration.
- Enabled faster purchase request processing and approval turnaround times.
- Provided real-time status monitoring for procurement activities.

### Firebase Cloud Messaging

MERN Stack Developer

- Module using Firebase Cloud Messaging, powered by NestJS, Mongoose, and Next.js on the frontend.
- [https://drive.google.com/file/d/1bjzd0XYiz0o6Cdo-RX\\_hSxOg3u1mUEgs/view?usp=sharing](https://drive.google.com/file/d/1bjzd0XYiz0o6Cdo-RX_hSxOg3u1mUEgs/view?usp=sharing)

## Real-Time Chat Module

*Mern Stack*

- I've just completed building a fully-featured Real-Time Chat Module using NestJS, GraphQL, Mongoose, and Next.js — now with secure chat hashing for privacy and data integrity.
- The module includes:
- Real-time messaging with GraphQL subscriptions
- Online / Offline user presence tracking
- Typing indicators in real-time
- Hashed chat data for enhanced security
- Optimized MongoDB models for chats, messages, and presence
- Clean integration with Next.js UI using Apollo Client
- <https://drive.google.com/file/d/1s-OHKcBQ6vU3wonIlkFlI0yOZxE9VXhx/view?usp=sharing>

## Integrated Accounting & Retail Management System (POS)

*MERN Stack Developer*

- (Sales • Inventory • Suppliers • Expenses • Profit Analysis)
- Designed and implemented a comprehensive retail management system that consolidates sales, inventory, suppliers, expenses, and profit tracking into a single platform, providing accurate, real-time financial visibility.
- Key Features & Outcomes:
- Delivered precise profit calculations to reflect actual business performance.
- Reduced inventory loss through structured stock tracking and control.
- Eliminated manual and paper-based accounting processes.
- Enabled detailed inventory management by size, color, SKU, and barcode.
- Generated daily operational and financial reports for informed decision-making.
- [https://drive.google.com/file/d/1w\\_RX-jRDyGdKjsaSsCWXHvQ1-0H2ENa/view?usp=sharing](https://drive.google.com/file/d/1w_RX-jRDyGdKjsaSsCWXHvQ1-0H2ENa/view?usp=sharing)

## CERTIFICATION

---

### Google Data Analysis Certificate

- Demonstrated ability to derive insights from complex datasets and support data-driven decision-making for organizational success.

### Oracle Cloud SCM Consultant – Next Academy

- Successfully completed the Oracle Cloud SCM Consultant program.
- Acquired practical knowledge of Oracle Supply Chain Management (SCM) Cloud applications.
- Worked with key SCM modules including:
  - Inventory Management
  - Procurement
  - Manufacturing
  - Order Management
- Developed an understanding of end-to-end supply chain processes, inventory control, procurement workflows, and production operations.
- Gained exposure to ERP implementation concepts and business process optimization within Oracle Cloud environments.

### Technical Office Works for Construction of Concrete Building

## LANGAUGES

---

- Arabic: Mother tongue (excellent)
- English: Proficiency (good)
- German: A1 Level

## PERSONAL SKILLS

---

- Emotional Intelligence And Body Language Translation.
- Super Ability To Perform Multiple Tasks In Fast Paced Environment.
- Ability To Achieve Immediate and Long-term Goals And Problem Solving