

## Fassil Moges

📍 Bethesda, MD | ✉ fmoges@gmail.com | ☎ 571-276-0134 | [linkedin.com/in/fassil-moges](https://linkedin.com/in/fassil-moges)  
<https://fmoges1.github.io/fmoges.github.io/>

---

## DATA ANALYST | DATABASE & SYSTEM ADMINISTRATOR

### PROFILE

Analytical and solutions-driven IT professional with 12+ years of experience in database management, data analysis, and technical support. Skilled in extracting insights from complex datasets, building predictive models, and automating data workflows using Python and SQL. Strong background in data science, hospitality systems, and enterprise operations with a proven record of improving data accuracy, system efficiency, and decision-making.

---

### CORE COMPETENCIES

- **Data Analysis & Visualization:** Skilled in SQL, Python (pandas, seaborn, matplotlib), Excel, and Power BI for data wrangling, statistical analysis, and insight generation.
  - **Machine Learning:** Hands-on experience with regression, classification, clustering, NLP, and XGBoost modeling.
  - **Programming & Modeling:** Expertise in data cleaning, feature engineering, and developing predictive models and automation scripts.
  - **Database Management:** Proficient in Microsoft SQL Server (SSMS, SSIS, SSAS, SSRS), Oracle, and database optimization.
  - **Data Pipeline & Reporting:** Designing ETL workflows, dashboards, and reports for operational and financial analytics.
  - **Certifications:** Microsoft Certified Professional (SQL Server), TripleTen Data Science Bootcamp Graduate (2025).
  - **Technical Tools & Platforms:**
    - **Languages/Tools:** Python, SQL, Excel, Tableau, Power BI
    - **Libraries:** pandas, seaborn, scikit-learn, XGBoost, NumPy
    - **Databases:** SQL Server, Oracle
    - **Systems:** Windows Server, UNIX, VMware, Hyper-V
-

## PROFESSIONAL EXPERIENCE

### MARRIOTT INTERNATIONAL — *Bethesda, MD*

**Auditor / Data Analyst (Operations & Finance)** | Jun 2019 – Jan 2022, Jun 2023 – Present

- Analyzed financial and operational data across multiple systems (Marsha, Empower, CI/TY, Micros) to identify revenue discrepancies and ensure reporting accuracy.
  - Developed and maintained daily performance dashboards for management using Excel and SQL-based queries.
  - Streamlined revenue reconciliation and audit processes, reducing reporting time by 20%.
  - Partnered with finance and operations teams to interpret data trends and improve financial forecasting accuracy.
  - Ensured data quality and compliance with corporate policies across multiple data systems.
- 

### FREELANCE / VARIOUS CONTRACTS — *Global*

**Data & IT Consultant** | Jan 2015 – May 2019

- Consulted international businesses on IT modernization and data-driven decision-making.
  - Designed and implemented SQL Server databases, optimized queries, and improved data retrieval efficiency by up to 30%.
  - Developed automated reporting solutions to visualize KPIs and operational metrics.
  - Led workshops to train staff in new data tools and analytical processes.
  - Assisted clients in integrating on-premises and cloud-based storage systems for improved data accessibility.
- 

### SAIC – U.S. COPYRIGHT OFFICE — *Washington, DC*

**Senior Support Engineer / Database Analyst** | Jul 2009 – Jan 2015

- Provided Tier 2/3 support and root-cause analysis for enterprise users within the Library of Congress IT environment.
- Monitored and maintained SQL Server databases to support large-scale federal data systems.
- Created and optimized SQL queries and stored procedures for data extraction, reporting, and system monitoring.
- Conducted trend analysis on system logs and performance metrics to support operational decisions.
- Collaborated with IT leadership to improve data governance and streamline data access for analysts and end users.
- Implemented automation scripts to improve database maintenance efficiency and reliability.

---

## **PROJECTS (TripleTen Data Science Bootcamp, 2025)**

- **Customer Churn Prediction Model:** Built a predictive model using logistic regression and XGBoost to identify at-risk customers with 88% accuracy.
  - **Hotel Booking Demand Analysis:** Cleaned and analyzed 100K+ booking records to uncover trends in seasonality and cancellation patterns.
  - **Financial Dashboard Development:** Designed an interactive Power BI dashboard tracking key revenue metrics, improving business reporting visibility.
- 

## **EDUCATION**

**George Mason University — Fairfax, VA**  
**Bachelor of Science (B.S.) in Decision Sciences & Management Information Systems**

---

## **CERTIFICATIONS & TRAINING**

- **TripleTen Data Science Bootcamp, 2025**
  - **Microsoft Certified Professional (MCP), 2017**
    - Querying Microsoft SQL Server 2012/2014
    - Administering Microsoft SQL Server 2012/2014 Database
  - Coursework: Data Mining, Database Management, Business Decision Modeling, and Business Data Communications (LAN/WAN)
- 

## **REFERENCES**

Available upon request

---