

# Ghazal Montazeri

## Senior Software Engineer

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Austin, TX

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**Experienced Technical Product Manager** with a strong background in machine learning, optimization algorithms, and data science. Proven track record of launching and advancing products from inception through advanced development stages. At Revionics (Aptos), contributed to the development of optimization and predictive modeling algorithms. Also contributed to product management of end-to-end development of AI chatbots using LLM models from conception to final product release. Adept at managing the full lifecycle of machine learning products, from POC to beta testing and production deployment, as well as bridging the gap between development and business stakeholder.

## Skills

**Languages & Tools:** C#, Java, Python, JavaScript, GCP, Kubernetes, Scikit-learn, Pandas, NumPy, TypeScript, HTML, CSS, Spring, React, Next.js

**Database:** SQL, MongoDB, BigQuery, PostgreSQL

**Methodologies:** Agile, Scrum, DevOps, TDD, BDD

**Data Science:** Machine Learning, AI, Data Pipelines, Big Data, Predictive Modeling

**Productivity Tools:** Trello, Figma, Miro, Jira, Confluence, Loom, Mural

## Founding Engineer, Lead Data Engineer

### MindDAO

2024 - PRESENT, Remote

- Developed Innovative research platform investigating the effects of emerging technologies on human well-being
- Designed and implemented data models using Prisma ORM and PostgreSQL to process complex datasets.
- Integrated external data sources, leveraging Next.js and React.js for seamless data handling.
- Developed a consumer-facing application using React.js and Tailwind CSS for data collection and user interaction.
- Built a scalable platform using Next.js, React.js, Prisma ORM, PostgreSQL, Tailwind CSS, and Vercel.
- Implemented continuous deployment with Vercel for rapid iteration and seamless updates.
- **Key Skills:** Next.js, React.js, TypeScript, HTML, CSS, PostgreSQL

## Senior Software Engineer

### Aptos (Revionics)

2021 - 2024, Austin, TX

- Led the transition and AI strategy integration for pricing and markdown teams during the Aptos acquisition, enhancing decision-making and customer satisfaction.
- Functioned as Software Engineer and Part-Time Product Manager, driving agile teams to develop and implement scalable AI pricing solutions, improving operational efficiency.
- Oversaw the product management of a customer support AI chatbot project utilizing LLM Models, starting from a POC, then a Beta release and eventually full productionisation.
- **Key Skills:** Python, C#, SQL Server, MongoDB, BigQuery, GCP

## Education

M.S.

Applied Industrial Mathematics  
University of Texas at San Antonio  
2010 - 2012

B.S.

Mathematics  
University of Texas at San Antonio  
2005 - 2010

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## Volunteering:

Founder and administrator at S.S.A.A.  
(A support group organization with  
global reach)

Volunteer at S.A.F.E. Alliance in Austin  
TX, (Local Shelter)

## Machine Learning Engineer

Revionics

2019 - 2021, Austin, TX

- Designed and optimized machine learning algorithms for price forecasting and optimization.
- Managed multi-terabyte data sets using Google Cloud Platform (GCP) and BigQuery to ensure scalability and reliability.
- Deployed predictive models for dynamic pricing
- Conducted research and development projects to explore advanced machine learning techniques, contributing to innovative retail pricing solutions.
- Translated complex data science metrics into actionable business strategies, enhancing product offerings and efficiency.
- **Key Skills:** Python, C#, MATLAB, SQL Server, MongoDB, GCP, BigQuery

## Software Engineer Development Lead

Revionics

2014 - 2019, Austin, TX

- Led a team of software engineers in developing pricing optimization software, significantly improving system performance and customer satisfaction.
- Innovated and refined machine learning algorithms for price prediction, enabling efficient analysis of multi-million-row datasets.
- Led the zero to one development of several products, including a budget optimization tool, working closely with product owners, designers, and stakeholders to transform ideas into fully functional products.
- **Key Skills:** C#, SQL, MongoDB, MATLAB, JavaScript

## Software Engineer

H-E-B

2014 - 2019, Austin, TX

- Developed a proof-of-concept that transitioned into a production-ready application, reimagining key features for improved performance and accuracy.
- Migrated complex mathematical logic from SQL to a Java-based module, reducing inefficiencies and increasing system robustness.
- Built and optimized user-driven queries using jQuery and the Spring framework to handle hundreds of thousands of results with minimal latency.
- **Key Skills:** Java, SQL Server, jQuery, JavaScript, Node.js, HTML, CSS, Bootstrap

