Marc Bachan

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About

I am a seasoned technologist with over a decade of experience designing and delivering impactful business solutions across finance, healthcare, and highly regulated industries. I bring a rare combination of deep technical fluency, product-minded execution, and business alignment - enabling me to drive enterprise adoption of emerging technologies like privacy-first AI and secure data infrastructure.

As both an individual contributor and mentor, I've led by example - upskilling teams, streamlining onboarding, and fostering cross-functional collaboration between engineering, product, and go-to-market functions. Whether architecting scalable platforms, guiding teams through technical pivots, or shaping forward-looking data strategies, I'm known for turning complex problems into business-ready solutions that endure.

Core Competencies

- **Go-To-Market Acceleration** – Creating tools, demos, and processes that shorten sales cycles and increase conversions.
- **Business Intelligence** – Leveraging data insights to support strategic decision-making and optimize resource allocation.
- **Enterprise AI Enablement** – Driving adoption of secure, performant AI systems within regulated environments.
- **Data Privacy & Governance** – Designing architectures that protect sensitive information while maintaining usability and performance.
- **Solution Architecture** – Translating complex requirements into scalable, high-impact technical solutions.
- **Cross-Functional Leadership** – Collaborating across engineering, sales, product, and customer success to deliver cohesive value.

Experience

Senior Solution Architect @ Anonos

Remote • Feb 2022 – Present

- Enabled Fortune 100 enterprises to securely adopt agentic AI by integrating data privacy controls into cutting-edge vector database systems - positioning Anonos as a market leader in privacy-first LLM architectures.
- Increased customer adoption and contract conversions by 50% year-over-year through targeted proof-of-concept labs, AI-enhanced RFP automation, and streamlined sales-to-CS transitions.
- Deployed privacy-enhanced data infrastructure that tripled processing throughput and overcame scalability challenges - unlocking performance gains for enterprise deployments on Amazon EKS.
- Authored interactive business intelligence dashboards and automation pipelines that provided real-time visibility into engineering resource spend and helped guide product investment decisions.
- Led documentation modernization initiative, embedding updates directly in the codebase and enabling faster, developer-driven iteration with Markdown, Typescript, and CI/CD pipelines.
- Contributed to a pending patent and global privacy competition submission with groundbreaking research in pseudonymized and synthetic data methodologies.

Data Engineer @ Reliable

Philadelphia, PA • Feb 2019 – Feb 2022

- Cut manual data review time by 90% and improved analytics workflows by automating e-discovery ETL pipelines using Python and PostgreSQL.
- Developed a Python-based data processing application using Pandas to collect, clean, and transform legal case data - enabling personalized document generation at scale for client-specific review.
- Reduced client data storage and processing costs by up to 70% through implementation of optimized filtering rules, RegEx tuning, and targeted indexing strategies.
- Administered a self-hosted Linux environment for an e-discovery platform, implementing robust RBAC policies to ensure data security and regulatory compliance during legal reviews.
- Delivered significant improvements in document relevance and evidentiary searchability through a customized OCR and imaging pipeline, increasing case resolution speed and reducing paralegal workload.

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Senior Layout Developer @ Lanvera

> **Dallas, TX • Aug 2015 – Feb 2019**
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> - Helped win new financial services contracts by developing a custom C#-based data export processor that enabled compatibility with previously unsupported loan platforms.
> - Refactored document presentation templates into modular, reusable components, significantly accelerating onboarding for new client projects and reducing layout development time by over 40%.
> - Introduced responsive design techniques and JavaScript-based validation logic into XML-driven templates, enabling faster QA cycles and reducing the need for pre-processing by upstream systems.
> - Implemented client-side inline calculation logic for dynamic document ePresentment, reducing dependency on backend API calls and cutting infrastructure load for high-volume financial statements.
> - Collaborated cross-functionally with QA, DevOps, and Client Support teams to streamline deployment workflows and reduce turnaround time on client-requested updates.

Support Technician @ Dell

> **Round Rock, TX • Nov 2014 – May 2015**
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> - Provided Tier 1 and Tier 2 support to enterprise clients under Dell ProSupport, handling a high-volume caseload of hardware and software issues across Red Hat Enterprise Linux and Windows Server environments.
> - Ensured SLA adherence by triaging issues by severity level (including 24×7 Severity 1 incidents), initiating remote diagnostics, and coordinating 4-hour or next-business-day onsite service responses when required.
> - Maintained high customer satisfaction through clear communication, incident ownership, and escalation management in accordance with Dell's global ProSupport standards.

Instructor @ Mathnasium

> **Austin, TX • Apr 2014 – Nov 2014**
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> - Collaborated with center leadership to track learning outcomes, identify at-risk students, and optimize engagement strategies to improve student retention and confidence in mathematics.
> - Tutored K–12 students in core and advanced mathematics, including Algebra, Geometry, Pre-Calculus, Calculus, and standardized test preparation (ACT/SAT/College Readiness).
> - Actively evaluated student comprehension by interrogating problem-solving methods and adapting instructional techniques in real time to reinforce conceptual understanding.

Skills

- **Programming:** Python, JavaScript (Node.js, React, TypeScript), SQL, Go
- **AI & Data Science:** LLM integration, RAG systems, Synthetic Data, Machine Learning (NLP), Tensorflow, Pandas, ADK
- **Data Infrastructure:** Snowflake, PostgreSQL, ETL/ELT, Cassandra, Vector Databases (Astra DB, Pinecone)
- **Cloud & DevOps:** AWS (EKS, Lambda, S3, Bedrock), Azure, GCP, Docker, Kubernetes, GitHub Actions, CI/CD
- **Architecture & APIs:** RESTful API design, Microservices, Cloud Infrastructure, RBAC, CRM & system integrations
- **Product & Delivery:** Solution Architecture, Business Intelligence, Customer Success, Data Privacy (PII, HIPAA, GDPR)
- **Team & Process:** Mentorship & Technical Coaching, Cross-Functional Leadership, Agile/Scrum, Waterfall SDLC, Technical Documentation

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Education

MITx
MicroMasters, Statistics & Data Science - Social Sciences Track, 2026

> Probability - The Science of Uncertainty and Data (6.431x)
> Fundamentals of Statistics (18.6501x)
> Machine Learning with Python: from Linear Models & Deep Learning (6.86x)

University of Texas at Austin
BA, Anthropology & Business, 2014