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TECHNOLOGY EXECUTIVE
ORGANIZATION BUILDER
SYSTEMS ARCHITECT

Tami Miguens

Technology executive with 30 years spanning integrated circuit design and manufacture, venture-backed SaaS, and geothermal energy. I build and scale engineering organizations: founding teams, establishing architecture discipline, and introducing the execution rigor that turns technical complexity into durable enterprise advantage. I fit best in technically serious environments where the margin for error is small and the problems have real consequence.



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[tmiguens.com](https://www.tmiguens.com)

EDUCATION

1996

Physics

*The George Washington University
Washington, D.C.*

CORE SKILLS

Engineering Org Design

Enterprise Architecture

Technical Due Diligence

Series A-C Scaling

Talent Development

Strategic Roadmaps

WORK EXPERIENCE

Head of Computational Systems Engineering (Director)

Eavor Technologies Inc. / Calgary, Alberta / 2023 - 2026

Founded and built the software and computational engineering organization from zero. Established the hiring framework, recruited the founding team, and introduced the development standards, architecture review processes, and operational controls needed to support a technically complex, cross-disciplinary organization. Delivered the enterprise platform and high-performance multi-physics simulation engine underpinning Eavor's license-based business model. Held board-level relationships and secured platform investment approval.

VP Architecture

Athennian / Calgary, Alberta / 2019 - 2023

Drove architecture strategy through Series B. Led technical due diligence for a \$42M CAD financing round, defending application architecture, design patterns, and technical debt strategy under live review from investor principal engineers. Outcome rated years ahead of benchmark for a company at stage. Founded and ran the WeGY structured mentorship program.

Co-Founder & President

RIPEDA Consulting / Calgary, Alberta / 2011 - Present

Co-founded and operated a technology advisory and managed services firm with a subscription-based delivery model. Built purpose-built tooling for billing, support, time tracking, and reporting. Sustained and grew the business through operational discipline and client retention over 15+ years.

CONTACT

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587-896-8933

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COMMUNITY

Board Member

Intimitrons Robotics Foundation

Mentor & Coach

FRC Youth Robotics Team

Mentor & Instructor

Canada Learning Code

Coordinator & Instructor

Schulich Community Robotics (SCRIP)

CURRENTLY SEEKING

CTO and board-level technical leadership roles in technically complex, high-consequence environments at Series A-C scale

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EARLIER CAREER

Staff Software Engineer

Mentor Graphics (Siemens EDA) / Wilsonville, Oregon / 2004 - 2014

Co-founded the PERC product for programmable electrical rule checking without initial management sponsorship. Took the technology to a greenspace market in 18 months, creating a new revenue center.

- 8-figure ARR in debut year
- EDA Product of the Year
- Industry-wide adoption

Staff Software Engineer

Synopsys / Fremont, California / 1999 - 2004

IC design tools development in C++. Data optimization and performance at scale in EDA toolchain.

Circuit Design Engineer

National Semiconductor / Columbia, Maryland / 1998 - 1999

Circuit layout design, batch tool automation, and process model development.

Materials Scientist

University Research Foundation / Columbia, Maryland / 1996 - 1998

IC fabrication research; multi-chip modules and materials characterization.

KEY ACHIEVEMENTS

\$42M CAD Series B

Technical Due Diligence

Rated years ahead of benchmark

40% Throughput Increase

Engineering Workflows

Technoeconomic & Geosciences

8-figure Debut ARR

Electrical Rule Checking

EDA product of the year

AWS / UNESCO Fellowship

Compute for Climate

Multi-physics drilling digital twin

90% Cycle Time Reduction

Directional Drilling Intersections

Geothermal magnetic ranging

Capital Program De-risked

Geothermal System Design

Probabilistic optimization at scale