

Joshua Klyman

Technology & Operations Executive

Technology and operations executive with a track record of transforming technical capabilities into business growth, scalable products, and global manufacturing operations. Leads strategy across engineering, product, business development, and a global production network. Combines engineering, operational and commercial leadership, having launched 300+ custom-design programs by translating market needs into commercially viable products.

Contact

Phone

+(972) 58-797-2733
+(1) 201-310-4184

Email

joshua@joshuaklyman.com

Location

Tel Aviv, Israel

Citizenship

U.S. and Israel

LinkedIn

[Joshua-Klyman](#)

Web

[JoshuaKlyman.com](#)

Education

MSc Electrical Engineering

Magna Cum Laude (High Honors)
New Jersey Institute of Technology

BSc Mechanical Engineering

Cum Laude (Honors)
Rutgers University Engineering

Expertise

Enterprise Leadership

Organizational Scaling, Business Transformation, Investor Relations & Capital Strategy

Operations & Manufacturing

Global Manufacturing, Supply Chain Strategy, NPI & Industrialization

Product & Technology

Product Strategy, Embedded Systems, IP & Patents

Commercial Leadership

Global Business Development, Strategic Partnerships & OEM Account Strategy

Languages

English - Native

Hebrew - Fluent

Experience

Challenge Electronics | Deer Park, NY, USA

CTO / Director, Global Business Development & Strategy (2025 - Present)

- Leads global technology and business development strategy for a **\$36M business**, driving **16% YoY growth** and OEM customers across five countries.
- Drove the shift from component trading to a **technology-led design and manufacturing model**, growing value-added custom products from **15% to 45%** of the business.
- Leads strategic OEM engagements from opportunity identification and technical discovery through **commercial negotiation, design-in, and high-volume production**.
- Owns \$500K in annual **technology and manufacturing budgets**, aligning R&D, tooling, supplier, and production investments with growth and margin objectives.
- Provides technical and operational leadership across **five global manufacturing partners**, coordinating functions encompassing up to **600 partner-factory personnel**.

CTO (2023 - 2025)

- Defined **technology and engineering strategy**, building capabilities to transition from component resale to custom product design and manufacturing.
- Launched and led **300+ custom-design programs** from customer requirements through validation, tooling, qualification, and high-volume production of up to **150M units annually**.
- Invented and commercialized **patented products and proprietary technologies**, converting customer and market requirements into differentiated, commercially viable solutions.
- Directed engineering and industrialization across global manufacturing partners, optimizing **performance, quality, cost, manufacturability, and scalability**.

Engineering Director (2018 - 2023)

- Built and led **multidisciplinary engineering capabilities** spanning electronics, embedded software, mechanical design, compliance, and product industrialization.
- Led customer technical engagements and design consultations, translating OEM requirements into custom product opportunities.
- Led multidisciplinary teams across PCB, mechanical, and embedded software development.

Lead R&D Engineer (2015 - 2018)

- Integrated **microprocessor technology** into existing analog systems, enhancing functionality.
- Engineered algorithms** using C, C++, and Assembly software to enable digital control.
- Developed **prototype acoustic platforms** overseeing a team of up to 2 engineers.

Vertical Sound | Tel Aviv, Israel (2021 - 2024)

Co-Founder & CEO/CTO

- Founded and led a deep-tech startup** developing agricultural yield-enhancement technology, owning company strategy, product development, operations, and commercialization.
- Secured a **\$33K competitive government grant**, leading technical validation, grant strategy, budgeting, and execution.
- Led the **zero-to-one product lifecycle** from customer discovery and market validation through engineering and prototyping, showing up to **35% increase** in crop yield during product validation.
- Owned **fundraising, financial planning, and go-to-market strategy**, translating technical innovation into a scalable business model and investor proposition.

G3 Technologies | New Providence, NJ, USA (2013 - 2015)

Software & Systems Engineer

- Delivered **comprehensive integration and life-cycle support** for telecommunications systems.
- Developed **control software** in C, C++, and Python, along with **ruggedized hardware** enclosures.

G&E Renovations | Teaneck, NJ, USA (2011 - 2013)

Hardware Engineer