



Karime Saad

BIOMATERIALS DESIGNER | BUSINESS AND ENGINEERING BACKGROUND

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SUMMARY

Biomaterials designer and fabricator with a background in art and design and a parallel career leading business operations and engineering teams. Grow and fabricate mycelium composites and bioplastics into finished objects while managing multi-department operations, supplier relationships, and product development for a growing company. Equally comfortable in a grow room, a studio, and a P&L review.

CULTIVATION & MYCOLOGY

Operations Assistant, Cam's Urban Farm – *Queens, NY (2026 – Present, Part-time)*

Cultivation & Operations, El Paso Mushroom Co. – *El Paso, TX (2026 – Present, Part-time, Currently remote)*

- Support and run daily cultivation and production at small-scale mushroom farms, with hands-on experience in substrate preparation, growth conditions, and post-harvest handling
- Build operations tracking systems and process improvements adopted into standard workflow

BIOMATERIAL AND CREATIVE PRACTICE

Independent Biomaterials Designer & Fabricator – *Brooklyn, NY – El Paso, TX (2025 – Present)*

- Design and grow functional objects from mycelium composites, managing the full process from substrate preparation and mold design through inoculation, growth, demolding, and drying
- Formulate and test biomaterials across categories: agar-based bioplastics, mineral and shell-based bioceramics, and agricultural waste composites

Member, Genspace NY – *Brooklyn, NY (2025 – Present)*

- Conduct independent material experiments in a community biolab, currently working on mycelium leather and a lint-based biomaterial derived from textile waste

OPERATIONS AND TECHNOLOGY LEADERSHIP

EPCOM / Syscom Colombia – *El Paso, TX, Bogotá, Colombia, and Remote (2020 – 2025)*

Branch Operations Manager & Software Engineering Manager (concurrent)

- Ran branch operations and the software engineering team simultaneously, overseeing sales, purchasing, accounting, logistics, warehouse, product engineering, and business intelligence
- Increased sales by 60% through process optimization, supplier negotiation, and expanded partnerships
- Managed a team of 5 engineers building the company's ERP and e-commerce platform, owning product direction and UI/UX across inventory, purchasing, invoicing, sales, and warehouse management
- Built automation directly into the company's ERP, eliminating manual handoffs between departments

Independent Developer & Technical Consultant – *Remote (2026 – Present)*

- Build and launch e-commerce platforms end-to-end for independent product and service businesses – customer storefronts, dashboards, order management, and payment processing (Next.js, Supabase, Vercel)
- Serve as sole technical owner on every project, from architecture and third-party integrations through deployment, maintenance, and iteration

Software Engineer, Target Corporate – *Minneapolis, MN (2018 – 2020)*

- Designed and shipped internal applications end-to-end – front-end, back-end, UI/UX, and API integrations – replacing legacy tools used company-wide

EDUCATION

MBA – *U. of Texas at El Paso, Graduated with Honors (2020 – 2022)*

B.S. Electrical & Computer Engineering – *U. of Texas at Austin (2013 – 2017)*

SKILLS

Languages: Spanish (Native), English (Fluent)

Studio & Craft: Ceramics, acrylic painting