Max Edward Gibson

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PROFESSIONAL SUMMARY

Production and operations leader with 30+ years of hands-on experience across electrical, telecommunications, semiconductor test, and custom manufacturing. Currently Production Manager for the Modular Building division at Module X Solutions, leading 319 hourly employees and 7 supervisors building AI datacenter M&C network racks and TelcoFlex DC power systems. Known for building teams from the ground up, raising quality standards, and writing the software tools and training that make production repeatable. Combines a degree in Electronics Technology with field trade skills and 15+ years of test engineering and software development.

CORE COMPETENCIES

Production Management | Workforce Training & Development | Production Planning & Scheduling | Quality Assurance & Process Improvement | Datacenter Rack Integration | -48V DC Power Systems | Cable Lacing & Labeling Standards | Semiconductor Test Engineering | Yield & Test-Time Reduction | Supply Chain & Vendor Management | Custom Software & CRM Tools | CAD & 3D Modeling

PROFESSIONAL EXPERIENCE

Module X Solutions, Shreveport, LA — April 2024 – Present

Modular Building division focused on AI datacenter builds: M&C network racks and TelcoFlex DC power systems

Production Manager – Modular Building Division — *June 2025 – Present*

- Lead production for the Modular Building division, spanning 319 hourly employees and 7 supervisors.
- Drive M&C Prefab and TelcoFlex production for the division's primary focus: AI datacenter rack and DC power builds.
- Promoted from Prefab Technician to Electrical Lead to Production Manager on the strength of leadership and build quality.

Electrical Lead – M&C Prefab and TelcoFlex Teams — *April 2024 – June 2025*

- Led the M&C Prefab team building AI datacenter M&C network racks.
- Formed and led the TelcoFlex team for TelcoFlex DC power system prefabrication and installation.
- Built and trained a new team of entry-level installers, teaching cable lacing and DC power installation from scratch.
- Selected by company executives to develop and teach the internal cable lacing course.
- Took ownership of equipment labeling across AI datacenter builds to standardize quality and consistency.
- Coordinated across teams to align quality, schedule, and production goals.

Copper Gator Contracting, LLC, Shreveport–Bossier City, LA — October 2026 – Present

Owner

- Founder and owner of a newly launched Louisiana contracting company.

Freelance Engineering & Consulting, Shreveport, LA — December 2023 – Present

- Produced mechanical drawings and 3D models (FreeCAD) for oilfield welder/fabricators, expanding the services they could offer.
- Handled product costing, job quoting, and invoicing so owner-operators could focus on their trades, and coached client staff on service standards.

Discount Blinds LLC / Progressive Holdings, Shreveport, LA — August 2017 – January 2023

Operations Manager

- Ran daily operations for a window treatment design, manufacturing, retail, and installation business: sales, accounts receivable, scheduling, production, inventory, installation, and logistics.
- Led and trained administrative, sales, manufacturing, and installation staff and managed the supply chain; the team's customer service earned dozens of 5-star Google reviews.
- Built the company's CRM tools in Google Apps Script / JavaScript to manage retail pricing, product costing, and production formulas; implemented BlindMatrix quoting software and managed the phpMyAdmin/SQL database.
- Set up and managed the motorized window treatment design and manufacturing division.

Gibson Residential Services, Port Aransas, TX — November 2014 – 2017

Owner / Operator – Residential Renovation, Service & Maintenance

- Bid and delivered residential remodels and maintenance across all trades: carpentry, flooring and tile, electrical, plumbing, irrigation, and painting.

- Maintained 5-star vacation rental properties to a white-glove standard, earning strong repeat business; custom projects included a soundproofed music studio converted from a 4-car garage, a managed Wi-Fi network for an RV park on a horse ranch, and landscaping with irrigation for a new 3-story beach house.

ATE Design (Remote) — November 2013 – November 2014

PCB Designer – Software Tool Developer

- Designed wafer-probe and final-test ATE load boards in Cadence: schematic conversion, component placement, and routing.
- Built VBA tools that converted design netlists into device-under-test pin lists and tester channel maps per platform, adding value to the company's load-board design services.

Zilker Labs / Intersil (now Renesas), Austin, TX — January 2008 – April 2012

Test Engineer II → Engineering Technician – Software Specialist

- Developed NexTest Mav II test and characterization for the Digital Power DC-to-DC converter line at start-up Zilker Labs.
- After the Intersil acquisition, redesigned that product line's test hardware and software for the Teradyne J750 to reduce test time and production cost.
- Built and maintained multi-site test solutions (Teradyne IG-XL / VBA) on J750 and FLEX platforms for Class-D digital audio controllers and digital power converters.
- Developed characterization tests that raised production yield and lowered test time; designed end-of-life burn-in hardware and drivers.

SigmaTel Inc., Austin, TX — May 2000 – December 2007

Product / Test Engineer II

- Sole remaining engineer on the IrDA USB-to-IR bridge controller line after layoffs; reverse-engineered the unsupported KVD test solution and re-engineered it for the Teradyne J750 (IG-XL), re-launching it into production and earning promotion into engineering. The line generated $55M in revenue over the following three years.
- Developed J750 test and characterization solutions for USB 2.0 mass storage, USB 2.0 IrDA, and audio codec product lines, including first-to-market jack-sense testing.
- Re-engineered probe and final test for acquired product lines (Class-D amplifiers, digital audio controllers, embedded photo frame and multifunction printer controllers).
- Built a C# web application and SQL database consolidating multi-facility manufacturing data for yield reporting; added a VBA pattern-learning feature the J750 previously lacked.
- Traveled to supplier sites across Asia (including SPIL, ASE, UTAC, ASAT, AIT) to build partnerships that increased production capacity; designed microcontroller-based burn-in hardware and firmware.

Early Career, Houston and Waco, TX — 1991 – 2000

- **Lead Installation Technician, Communication Power Systems Inc.** (1996 – 1999): Southwestern Bell central office subcontractor; installed and tested digital cross-connects, Fujitsu FLM systems, fiber termination, BITS clocks, Cisco routers, and BDFB -48V power distribution. Earned the company a Southwestern Bell Quality Award for a zero-defect major central office installation.
- **Electronics Technician, Alpha Auto Sales** (1999 – 2000): Troubleshot, repaired, and tested Mitsubishi automotive ECMs during college, improving remanufacturing success rates.
- **Lead Installation Technician, RNC Communications** (1993 – 1996): Cable TV, telephone, and network pre-wire and post-wire for apartment complexes; satellite head-end installations for high-rise condominiums.
- **Apprentice Electrician, Coastline Electric** (1991 – 1993): Commercial, industrial, and residential work including EMT and rigid conduit, service and panel installs, energy management, instrumentation, and 3-phase/single-phase systems.

EDUCATION & CERTIFICATIONS

Associate of Applied Science, Electronics Technology – Texas State Technical College, Waco, TX *May 2000*
Class Valedictorian | GPA 3.86 / 4.0

Southwestern Bell Telephone Telecommunications Certification Exam – Passed

TECHNICAL SKILLS

- **Electrical & Telecom:** -48V DC power and BDFB distribution, datacenter rack assembly, cable lacing, structured cabling (CAT5, RG-6, fiber), conduit bending, 3-phase and single-phase systems, equipment labeling
- **Test & Hardware:** Teradyne J750 / FLEX (IG-XL), NexTest Mav II, KVD; device characterization; burn-in hardware; PCB design (Cadence, OrCAD)
- **Software:** Python, C#, C/C++, VBA, SQL (MySQL, SQL Server), JavaScript, Google Apps Script, HTML
- **Design:** FreeCAD, Punch, AutoCAD

- **Operations:** Production scheduling, inventory control, QA/QC, SOP development, vendor coordination, costing and quoting