

KENNETH LIGHTBOURNE

Metrology & Instrumentation Technician · Game Studio Founder

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PROFILE

Metrology and instrumentation technician with 12 years in precision measurement. Specialist in complex electronics calibrations (network/spectrum analyzers, signal generators) and physical/dimensional primary work (pressure, torque, mass; NIST SOP 4 & 5). Six years USAF PMEL (2P0X1) to 7-level Craftsman and section NCOIC; commercial calibration with Boeing, Bionetics (high energy laser), and TMI; currently at FCX Performance. Founder of Chaotic Game Studios LLC. Staff Sergeant, Ohio Air National Guard.

EXPERIENCE

Electrical & Instrumentation Technician — FCX Performance, Columbus OH *Jan 2024 – present*
Industrial instrumentation calibration, control-loop troubleshooting, preventive maintenance; zero unscheduled downtime.

Command Post Controller (SSgt) — Air National Guard, Rickenbacker ANGB *Sep 2022 – present*
Tactical communications and command-level operational reporting (part-time, drills and activations).

Calibration Technician — Technical Maintenance, Inc. (TMI), Hilliard OH *2020–2021 & 2022–2023*
Commercial calibration across electronics and physical/dimensional disciplines.

Metrology Technician — Boeing, Heath OH *Mar 2021 – Mar 2022*
Primary pressure, torque/force, and mass calibration supporting the Air Force Primary Standards Laboratory.

High Energy Laser Calibration Technician — The Bionetics Corp., Heath OH *Nov 2019 – Feb 2020*
Specialty calibration of high energy laser systems.

PMEL Technician to Craftsman & Section NCOIC (2P0X1) — U.S. Air Force *Nov 2013 – Nov 2019*
RF calibration; Eglin AFB, Yokota AB (Japan), Nellis AFB. Rose Apprentice to 7-level Craftsman; ended as DC & Low Frequency S

Founder & Lead Developer — Chaotic Game Studios LLC, Westerville OH *2026 – present*
Shipped Strike-Command: Idle Esports (Google Play live; App Store in review). Full stack: JavaScript/Capacitor client, Python/FastA

EDUCATION & CREDENTIALS

- DeVry University — B.E. Electronic Engineering Technologies (exp. 2027) · 4.0 GPA · Dean's List Summer & Fall 2025
- Community College of the Air Force — Airman Leadership School (2018)
- CCAF — PMEL (2P0X1) Technical Training (2014) · 4.0 · Top Graduate
- Command Post Controller Qualification — Air National Guard
- RBT 40-hour training — Autism Partnership Foundation (BACB-recognized)
- 7 Habits of Highly Effective People — 16-hour seminar
- Skillsoft: Critical Thinking; AI Ethics; Business Ethics (x2); Career Planning (2025–2026)

SKILLS

Metrology: RF calibration, network/spectrum analyzers, signal generators, primary pressure, torque, transducers, mass, high energy laser, NIST SOP 4 & 5 · Industrial: instrumentation, control loops, QA, troubleshooting · Software: JavaScript, Python, Capacitor, FastAPI, SQLite, Linux · Leadership: section NCOIC, command-post operations · Microsoft Office/Excel (LinkedIn Skill Assessment)