

Hayden Eales

Product Engineer — AI Systems

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PROFILE

Product engineer and founder with a background in Mechatronic and Robotic Engineering. Built Eales Web Design into a web design and technical consultancy for businesses across the US, Canada and UK — 46 confirmed projects delivered on Upwork, a 4.9-star rating, and a 100% job success score. Recently pivoted the business into Everant Studio, building autonomous AI systems and software solutions for industries. Balances this with cocktail bartending at some of the world's most highly regarded bars and restaurants. Now looking for a product engineer, technical co-founder, or senior technical partner role with a team building seriously with AI.

SELECTED SYSTEMS — full case studies at ealeswebdesign.com/systems

Everant Studio — Custom AI systems and software for growing businesses across the US, Canada and UK — closing the gap between generic off-the-shelf tools and what enterprise teams get to use. Includes an in-house 8-agent Claude Code studio supporting delivery.

Omnitrix — 87-tool privacy-first document, image and dev toolkit running entirely client-side via WebAssembly; Stripe billing, auth and growth mechanics built out, in final checks ahead of public launch.

Bar Buddy — AR computer-vision app for hospitality stocktakes (React Native, CoreML/TFLite); early-stage, currently rebuilding the core recognition system from first principles.

Supplier Portal — B2B ordering hub letting hospitality venues manage every wholesale supplier account from one login (FastAPI, Next.js); demo-complete.

ParkQuick — Parking SaaS pairing a driver app with an operator back office (FastAPI, Supabase); working through a pre-launch security checklist.

Myo Discovery — Prosthetic-control research project running since 2015, combining EMG signal processing with computer vision for continuous, proportional hand control.

Card Marketplace & Tracker — Marketplace, valuation engine and scanning toolkit for trading-card hobbyists, including a real-time desktop/mobile pairing system (QR handshake, live device sync, short-lived session tokens) reused as a module across other projects.

PROFESSIONAL EXPERIENCE

Founder & Product Engineer — Omnitrix

June 2026 — Present

- Founded Omnitrix after hitting a wall trying to use online document editors on a confidential document — no way to do standard tasks without sending it to an untrusted server, and most tools wanted an expensive subscription just to complete one or two small tasks.
- Built an 87-tool privacy-first suite — PDF, image, dev and text utilities — running entirely client-side via WebAssembly, so a file never leaves the device, with real billing, auth and growth mechanics around a £6/mo Pro tier.
- Currently in final checks and audits ahead of public launch.

Founder & Product Engineer — Everant Studio

August 2025 — Present

- Founded Everant Studio to close the gap between generic off-the-shelf software and genuinely custom systems — the kind of bespoke build previously affordable only at enterprise scale.
- Deliver custom AI tools, automation, strategy consulting and full software builds for growing businesses across the US, Canada and UK, with every client owning what's built outright rather than renting it indefinitely.
- Operate an in-house 8-agent Claude Code studio supporting development, research and operational workflows — the same infrastructure client-facing builds run on.
- Own architecture, security and product decisions end-to-end, auditing and hardening every AI-assisted build before release.

Founder, Designer, Web Developer, Technical Lead — Eales Web Design

2020 — Present

- Began building websites and technical solutions for clients in 2020, formally establishing the Eales Web Design brand in 2023.
- Built and led a team of up to five (full-time and freelance) delivering client web design and development projects, running as many as ten projects concurrently.
- Delivered 46 confirmed projects on Upwork (from 2023 onward) with a 4.9-star rating and 100% job success score, spanning e-commerce, hospitality, healthcare, education and professional-services clients.
- Acted as sales lead, marketer, SEO strategist, content writer, technical advisor, consultant, designer and technical developer for every engagement — every project designed first in Figma before development began.
- Partnered with clients ranging from small boutique founders and small businesses across multiple industries to mid-to-large scale businesses — including cosmetic manufacturing, sports clubs, music schools, tutoring providers and hospitality venues, to name a few.

HOSPITALITY EXPERIENCE

Cocktail Bartender — Hawksmoor, London

November 2025 — Present

- Delivering high-volume cocktail service at one of London's most established restaurant groups, alongside running Everant Studio and Eales Web Design.

Cocktail Bartender — Canada & UK (various venues)

October 2023 — February 2025

—Cocktail bartender and mixologist across several highly rated venues in Canada and the UK, including Bearfoot Bistro and Araxi — fine-dining restaurants in Whistler, with Bearfoot Bistro rated a Top 50 Restaurant in Canada, 2023 — and Mother, Toronto (#37, North America's 50 Best Bars 2023; #7, Canada's 100 Best Bars 2023), while continuing to run Eales Web Design.

Bar Manager / Supervisor / Head Bartender — UK & Australia

July 2016 — September 2022

—Bar Manager / Supervisor / Head Bartender across multiple venues — The Grove Hotel (5-star) and The Griffin in the UK; Dr Mauve Lounge & Bar, The Roosevelt Lounge, Shangri-La (5-star hotel) and Jukes in Australia — including opening new venues and building high-performing teams from the ground up.

SKILLS — development accelerated using Claude Code and agentic AI workflows

Languages & Frameworks: TypeScript, Python, Swift, Next.js, FastAPI, React Native

AI & Automation: Claude Code, multi-agent orchestration, WebAssembly, CoreML / TFLite, EMG signal processing

Infrastructure & Data: PostgreSQL / Supabase, SQLite, Stripe, Docker, Vercel / Render

Product & Delivery: Figma, security auditing, brand & product spec, client management

Commercial & Leadership: Sales, marketing & SEO, technical advisory & consulting, brand strategy, business operations, client communication, attention to detail, creative problem solving

EDUCATION

Mechatronic and Robotic Engineering 2013 — 2016

University of Sheffield

- Dissertation: modelling and classification of biomedical signals using wearable EMG sensors; designed a novel monitoring concept for Motor Neurone Disease patients and a companion mobile app for clinicians.
- Extended the sensor's predefined gesture set by combining 8-channel EMG data with early machine learning techniques, predating modern AI tooling, to reliably recognise individual finger movements at the same accuracy as the factory gesture set.

AWARDS

- 2015 — 1st Place, Engineering You're Hired! (EYH) — placed ahead of 15 competing teams
- 2014 — 1st Place, Global Engineering Challenge — placed ahead of 15 competing teams

INTERESTS

Tennis, bouldering and the gym; photography, alongside learning new creative skills like drawing, loop-pedal guitar and piano; and a love for seeking out hidden speakeasies, rooftop bars, waterside spots and the best cocktails in town.