Micah Walker

FRONTEND ENGINEER & TECHNICAL PRODUCT DESIGNER.

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📍 Perth / Barcelona

🪪 Australian Citizen,
Spanish Permanent Resident

SKILLS

Design

- **Figma**
- **Prototyping**
- **Sketch / Abode XD**

Frontend

- **React Native / Swift**
- **Typescript**
- **Html / CSS / Javascript**
- **Tailwind**

Backend

- **Cloud / SQL**
- **Supabase / Firebase / Neon**
- **Node.js**

QUALIFICATIONS

2016 **Exercise & Sports Science**
Newcastle University (Bachelor)

2013 **Mechatronics Engineering**
Coursework (2 years)

2025 *Sales Psychology & Account management*

2023 Qualitative and Quantitative Research Methods

2021 Rehabilitations Trainer for Orthopedic Diseases

2016 Combat Engineer
Royal Australian Army Reserves

SUMMARY

Technical Product Architect specializing in Human-Systems Integration and Stateless Architectures. I leverage a background in clinical systems and human behaviour to engineer high-performance, accessible digital infrastructures.

EXPERIENCE

2020 – Current   **Systems Designer & Frontend Engineer**

Freelance

- End-to-End Product Engineering: Architected and deployed full-stack digital products, managing the complete SDLC from problem discovery to production-ready MVPs.

- Human-Systems Integration: Translated behavioral telemetry and user research into deterministic UX flows and modular system architectures.

- Interface & Logic Implementation: Engineered responsive web applications and interactive prototypes utilizing Figma for design systems and Vanilla JS/ HTML5/CSS3 for high-performance builds.

- Automated Lifecycle Workflows: Leveraged AI-supported development tooling to compress iteration cycles and optimize build-time performance. Keywords: Interface Engineering · Modular Systems · Performance Optimization · Stateless Architecture

2024 – Current   **Sales Rep / Territory Manager – Sports Medicine**

Arthrex

- Systems Consulting: Led workflow analysis to identify integration constraints and operational bottlenecks.

- Technical Synthesis: Abstracted complex instrumentation into scalable solution frameworks for diverse stakeholders.

- Data-Driven Optimization: Modeled adoption telemetry to optimize territory strategy and product lifecycles.

- Cross-Functional Orchestration: Managed multidisciplinary matrices (Sales, Clinical, Engineering) to ensure system-wide viability.

2022 – 2024   **Clinical Systems Specialist (Exercise Physiologist)**

University Klinik Frankfurt

- Constraint-Based Design: Engineered clinical protocols navigating medical, behavioral, and operational constraints.

- Closed-Loop Feedback: Iterated programs based on quantitative telemetry to ensure system accuracy and safety.

- Multidisciplinary Integration: Synchronized medical and technical requirements across fragmented clinical teams.

- System Documentation: Authored structured technical reports to support maintainability and iterative improvement.

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RESEARCH PROJECTS

Exercise Early to Reduce Corticosteroid-Induced Side Effects in Childhood Cancer (EXERCISE-CC): Study Protocol of a Randomized Controlled Trial

(MOVE-ONKO): Multiprofessional care structure and network to promote demand-oriented, local movement therapy for oncological patients.

Dissemination of the AWMF S2k guideline contents on 'Promotion of movement and movement therapy in pediatric oncology'.

SKILLS

AI

- **AI Prompting**
- **AI Engineering**
- **Gemini / OpenAI / Anthropic**

REFERENCES

Josiah Walker

Data Science / Engineering Manager

Rome2rio

✉ Available upon request

Daniel Roemer (EN, DE)

Cyber Security Engineer

CGI Deutschland (Germany)

✉ Available upon request

Monica Herrero Vargas (EN, ES, DE)

Clinic Director (Freelance Client)

Mentes en Movimiento

✉ Available upon request

TECHNICAL INNOVATIONS & SYSTEMS ENGINEERING

Project: Autonomous Flight Systems (Quadcopter) | 2013

- *Hardware Integration: Engineered a custom multi-rotor UAV, integrating flight controllers, ESCs, and sensor arrays for stable flight dynamics.*

- *Systems Optimization: Calibrated PID tuning and signal processing to optimize real-time response and aerial stability.*

Project: Embedded Retail Systems (Innovation Award Winner) | 2011

- *Full-Stack Development: Engineered a hardware-based shopping scanner and relational database system for inventory telemetry.*

- *National Showcase: Awarded for innovation in system design; showcased across Australia for excellence in human-computer interaction.*

EXPERIENCE

2019 - 2022   **Studio Manager**
TG 1862 Rüsselsheim

- *Infrastructure Scaling: Led operational scaling for a 500-member facility*
- *Resource Orchestration: Managed a team of 10 to optimize service workflows.*
- *Program Engineering: Deployed clinical protocols under complex musculoskeletal constraints.*

2018 – 2020   **Assistant Manager & Consultant**
Dantrim GmbH

- *Ergonomic Systems Design: Directed ergonomic restructuring for 400 staff, optimizing human-hardware interfaces.*
- *Constraint-Based Logic: Engineered health frameworks tailored to office operational constraints.*

2013 – 2016   **Combat Engineer**
Australian Army Reserves

- *Tactical Engineering: Executed structural mobility operations in high-stakes environments.*
- *System Safety: Managed high-risk logistics following rigorous safety standards.*

2016   **Clinical Internship**
Hunter Hospital

- *Diagnostic Telemetry: Analyzed EKG and rhythm data for clinical decision making.*
- *Surgical Observation: Evaluated pacemaker integration to analyze human device telemetry*