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AVAILABLE FOR NEW PROJECTS

Bridging Hardware, Software, & AI.

>Battle-Tested at Olympic |

One senior engineer delivering what typically requires 3 specialists and months of coordination. From prototype to production in weeks, not months.

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Systems Delivered For Global Events

OLYMPICS3 Games
FIFAWorld Cup
WIMBLEDONChampionships
NIKONMRMC
CANNESFilm Festival

SCROLL ✓
/// ABOUT

The "Ohboy" Moment

That moment when you realize: one senior engineer can deliver what typically requires 3 specialists and months of coordination.

Skip the hiring process, avoid vendor coordination headaches, and get your product shipped faster. With 20 years bridging hardware, software, and AI — I bring fractional CTO expertise at a fraction of the cost and time.



Ship Fast

Weeks, not months. Prototype to production rapidly.



One Expert, Full Stack

No team coordination overhead. Single point of contact.



Battle-Tested

Olympic-scale systems that simply cannot fail.



Lean Solutions

No over-engineering. Lower maintenance, lower cost.

20+
⌚ Years Experience
3
🏅 Olympic Games
25%
🎯 Accuracy Boost
23
📁 GitHub Repos



2006

Started Engineering Journey

Infosys

2015

Joined MRM/Nikon

London & India
2017

Principal Engineer

R&D Leadership

2024

Founded Ohboy Consultancy

Dubai, UAE
/// SERVICES

What I Build

Specialized expertise across the full technology stack, from bare-metal firmware to cloud-scale AI systems.



Technical Architecture & Consulting

Strategic technical guidance for product companies navigating complex engineering decisions. System design, code review, and fractional CTO leadership.

- ✓ System Architecture Design
- ✓ Technology Stack Selection
- ✓ Code Review & Quality Assessment
- ✓ Fractional CTO Leadership
- ✓ Technical Due Diligence

[Discuss Your Project](#) →



AI/ML Solutions

End-to-end AI implementation from concept to production. LLM applications, medical AI, computer vision, and agentic systems.

- ✓ LLM Application Development
- ✓ AI Agent Development (MCP)
- ✓ Medical AI Solutions
- ✓ Computer Vision Systems
- ✓ Healthcare Analytics

[Discuss Your Project](#) →



Full-Stack Product Development

Complete product development from MVP to scale. Desktop applications, web platforms, CLI tools, and API design.

- ✓ Desktop Apps (Qt/QML, Python)
- ✓ Web Apps (FastAPI, React)
- ✓ CLI Tools (Rust, Python)
- ✓ API Design & Development
- ✓ CI/CD Pipeline Setup

[Discuss Your Project](#) →



Embedded Systems & Firmware

Hardware-software integration for IoT, robotics, and specialized devices. Real-time systems with mission-critical reliability.

- ✓ Firmware (STM32, ARM, TI DSP)
- ✓ OpenWRT Customization
- ✓ Real-Time OS (FreeRTOS)
- ✓ Protocol Implementation
- ✓ Hardware Debugging

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Technologies & Frameworks

C++PythonRustTypeScriptQt/QMLReactFastAPISTM32OpenWRTFreeRTOSPostgreSQLGStreamerDockerGit
/// SELECTED WORK

Portfolio

AllEnterpriseAI/MLOpen Source

M

Enterprise

🌟Featured

MRMC/Nikon Broadcast Systems

Led development of real-time motion control systems for robotic camera heads used in live broadcasts of the world's largest sporting events.

9+ years delivering mission-critical broadcast systems. Implemented MTP/PTP protocols across Windows, Linux, and STM32. Built real-time player tracking algorithms for FA Cup and Bundesliga broadcasts.

25%

Accuracy Improvement

3 Olympics

Events Delivered

C++14/17

Qt/QML

OpenWRT

GStreamer

STM32

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O

AI/ML

OrthoLogic Medical AI

Full-stack AI-powered orthopedic diagnostic platform with real-time inference capabilities.

Led end-to-end development including requirements specification, scalable architecture design, and CI/CD pipeline establishment.

Healthcare AI

Type

Python

FastAPI

React

PostgreSQL

AI/ML

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H

AI/ML

Healthcare Qualitative Analysis

LLM-based desktop application for qualitative data analysis implementing Braun & Clarke's six-phase thematic analysis.

Braun & Clarke

Framework

Python

LLM APIs

Desktop UI

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R

Open Source

Rust CLI Agent

Sophisticated command-line coding assistant supporting multiple LLM providers with intelligent orchestration.

Multi-provider support (OpenAI, Claude, Gemini, DeepSeek, Ollama). Extensible tool system for file operations, shell commands, and web search.

Rust

Tokio

Multi-LLM

CLI

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M

Open Source

Meta MCP Server

FastMCP-based server for discovering, installing, and managing MCP (Model Context Protocol) servers.

Python

FastAPI

MCP

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[🔗View All 23 Repositories on GitHub](#) ↗



Simple, Flexible Pricing

Choose the engagement model that fits your needs. All packages emphasize value and outcomes over hours.

RECOMMENDED START

Discovery

Get clarity on your challenge

Free
60 minutes

Initial consultation to deep-dive into your technical challenge. Walk away with clarity on approach, potential pitfalls, and recommended next steps.

- ✓ 60-min technical deep-dive
- ✓ Feasibility assessment
- ✓ High-level architecture discussion
- ✓ Technology recommendations
- ✓ No commitment required

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Architecture Sprint

Technical roadmap & design

Contact
1-2 weeks

Intensive engagement for system design, architecture review, and technical roadmap. Ideal for startups pre-funding or companies at inflection points.

- ✓ System architecture design
- ✓ Technology stack definition
- ✓ Architecture diagrams & docs
- ✓ Risk assessment
- ✓ Implementation roadmap

[Get Quote](#)

Embedded Partner

Fractional CTO / Lead

Retainer
Monthly

Ongoing fractional CTO or Lead Engineer engagement. Hands-on development, team mentorship, and technical strategy. Minimum 3-month commitment.

- ✓ Weekly hands-on involvement
- ✓ Code reviews & mentorship
- ✓ Architecture decisions
- ✓ Strategic planning
- ✓ Team hiring support

[Discuss](#)

Project Build

Full delivery

Fixed
Scope-based

Fixed-scope product development. MVP builds, proof-of-concepts, or specific feature development. Includes requirements, design, implementation, and handoff.

- ✓ Requirements gathering
- ✓ Design & implementation
- ✓ Testing & QA
- ✓ Documentation
- ✓ Handoff & training

[Get Quote](#)

All engagements begin with a free Discovery Session. [Let's talk →](#)
/// LET'S CONNECT

Let's Build Something Remarkable

Whether you need to bridge hardware gaps, architect a scalable AI solution, or just need a second opinion on your stack — I'm here. Every project starts with a free discovery call.



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Send a Message

Or book a call directly — it's free!

Name

Your name

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you@company.com

Message

Tell me about your project or

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Built with grit and </> in Dubai