WILLIAM JOHN WARNE

SENIOR/STAFF-LEVEL SOFTWARE ENGINEER | TECHNICAL ARCHITECT

Seeking long-term ownership in technical leadership roles focused on design and delivery—solution and system design, practices, and tooling. Companies eager to use AI-augmented development, context engineering, spec-driven development, and agentic workflows. I work well autonomously or embedded into teams when I can put my experience to use.

I seek environments where I can learn from strong engineers, value direct feedback, and contribute alongside experienced peers—I don't assume I have all the answers.

Remote work only. I'm relocating to Mafra, Portugal in June.

BACKGROUND

6+ years software engineering experience with a focus on production systems, architecture, and technical leadership. I've led design and delivery of 15+ products and platforms from idea to launch across medical, trading, and AI SaaS.

Having honed my skills in both rapid short term projects and long term sustained projects, I understand the consequences of technical decisions and how to manage these, while having the opportunity to iteratively refine approaches based on what worked and what didn't. I focus on solution and system design and delivery across the stack: design, backend, infrastructure, and developer experience.

Applying this experience I've fixed issues reactively when consulting and proactively in team dynamics, code structure, project management, and operations.

Generalist: experience in software development, delivery, project management, client management, and strategy.

EXPERIENCE

SOFTWARE ENGINEER / TECHNICAL LEAD

ZEBRA LABS LTD · LONDON, UK

Jan 2024 – Present · 1 yr 2 mo

- Redesigned and rebuilt high-throughput AI system for 100k+ users (Luma Learn) in 2 months with sub-1 second response times.
- Designed production-ready backend systems for AI SaaS platforms scaling for enterprise (Clairo AI).
- Built maritime platform ecosystem transforming vessel management across multiple integrated apps (OneSea).
- Applied resilience patterns (circuit breakers, resource segregation) and observability to avoid cascading failures when services hit limits.
- Established AI-enhanced development workflows and operational processes increasing development speed and quality.
- Led end-to-end technical delivery for Luma Learn, Clairo AI, and OneSea across healthcare, trading, maritime, and AI sectors.

CONTACT

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ABOUT ME

DOB: *15 Jul 1996*
Dual Nationality: *South African & British*
Marital Status: *Single (Engaged)*
Languages: *English*
Religion: *Christian*

SKILLS

- Python | FastAPI · 4y
- JS/TS | NextJS | React · 5y
- C# | .Net · 5y
- PostgreSQL · 5y
- Redis · 3y
- Domain-Driven Design · 5y
- System & Solutions Design · 5y
- Monolith | Headless Architecture · 4y
- Microservices · 4y
- Security & Policy Review · 3y
- Cursor | VS Code · 2y
- OpenAI | Anthropic | Claude · 2y
- n8n | Workflow automation · 1y
- AWS | Azure | Vercel · 5y
- Supabase | Fly.io · 3y
- Docker · 5y
- K9 | Playwright | Jest · 2y
- Git | GitHub | GitHub Actions · 6y

TECHNICAL EXPERTISE

- System Architecture & Design
- Pragmatic Solution Development
- Modern tooling & AI-augmented workflows
- Technical direction & team structure
- Production reliability & readiness

- Advised on post-handover team structure and tooling: generalist technical lead with specialist niches so domain experts could leverage workflows effectively.
- Resolved ownership and data-quality misalignment on ECI platform via DDD-style mapping of responsibilities and dependencies across sales and systems teams.

Vercel · AWS · Docker · React · Next.js · TypeScript · Redis · Supabase · Cursor · Claude · Fly.io · FastAPI · Python · PostgreSQL · SQLAlchemy · Alembic · Drizzle · WhatsApp Cloud API

FULL STACK ENGINEER
SPHERE · LONDON, UK

Feb 2022 – Jun 2024 · 2 yr 5 mo

- Evolved trading platform: built custom ML model integrations for curve pricing and refactored trade and price distribution from user-based to action-based event classification.
- Drove design standardisation and clearer technical direction to address issues from lacking a consistent architectural north star.
- Designed and implemented curve integration and display vertical with focus on performance and system architecture.

C# · .NET · Entity Framework · Azure · React · TypeScript · Docker

DEVELOPER
DOCTORLY · BERLIN, GERMANY

Nov 2021 – Feb 2022 · 4 mo

- Developed backend API system using Domain-Driven Design for highly critical healthcare platform.
- Applied strict DDD and dependency-direction practices with the team; achieved near-full test coverage and very few production bugs and incidents.

C# · .NET · MediatR · SendGrid · Entity Framework · AWS · JavaScript · SQL Server · MySQL · PostgreSQL · Docker · React · Sentry

DEVELOPER
THE DELTA STUDIO · CAPE TOWN, SOUTH AFRICA

Dec 2019 – Feb 2022 · 2 yr 3 mo

- Backend development for founders and corporates spinning out new ventures: corporate reward platforms, social platforms, transport and logistics systems.
- Designed and developed solutions using headless architecture, Domain-Driven Design, monoliths, and microservices.
- Refactored codebases where unclear structure and lack of dependency rules had led to circular dependencies and maintainability issues.
- Saw impact of inadequate monitoring, logging, and alerts on reliability; applied those lessons to later projects.
- Progressed from junior developer to leading software projects and refining operational processes (project management, development, quality assurance).

C# · .NET · MediatR · SendGrid · Entity Framework · AWS · JavaScript · SQL Server · MySQL · PostgreSQL · Docker · React · Sentry

PERSONAL LIFE

INDUSTRIES

- Healthcare
- Trading & energy
- Maritime
- AI / SaaS
- Coaching & education
- Education
- Social platforms

RECENT ACHIEVEMENTS

Jan 2024 – Present

- Redesigned and rebuilt high-throughput system for 100k+ users (Luma Learn) in 2 months with sub-3 second response times.
- Designed production-ready backend systems for AI SaaS platforms scaling for enterprise (Clairo AI).
- Built maritime platform ecosystem transforming vessel management across multiple integrated apps (OneSea).
- Applied resilience patterns (circuit breakers, resource segregation) and observability to avoid cascading failures when services hit limits.
- Established AI-augmented workflows and tooling for the team.

WORK HISTORY

Jan 2024 – Present
Zebra Labs LTD
Software Engineer / Technical Lead
Feb 2022 – Jun 2024
Sphere
Full stack engineer
Nov 2021 – Feb 2022
Doctorly
Developer
Dec 2019 – Feb 2022
The Delta Studio
Developer

HOBBIES / INTERESTS

- Muay Thai Boxing
- Surfing
- Road/Trail Running
- Weightlifting
- Reading

I enjoy the outdoors, fitness, and working with my hands—whether that's hiking, surfing, or building surfboards and apps. I also enjoy furthering my knowledge on religion, AI automation, psychology, and whatever else catches my interest. I have a close connection with my family and faith.

I'm relocating to Mafra, Portugal in June with my fiance.