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SOFTWARE ENGINEER – UNDERSEA DOMINANCE

September 14, 2026

Hiring Manager
Anduril Industries
Maritime Division
Costa Mesa, California

Software Engineer – Undersea Dominance

Dear Hiring Manager,

I am applying for the Software Engineer position with Anduril's Undersea Dominance team in Costa Mesa. The opportunity to develop and test software for autonomous vehicles closely matches my experience in embedded controls and robotics. My work also includes the applications people use to plan and operate systems. I am a U.S. citizen based in Irvine, available for full-time onsite work and travel.

At Ibrium Studios, I architected distributed real-time control for a production multi-axis motor system. I implemented ARM Cortex-M firmware and CAN communications, designed multilayer PCBs in Altium, and owned board bring-up and integration. When intermittent control latency appeared, I used a logic analyzer to trace it to a control-loop deadline overrun. I moved scheduling to a fixed-rate timer interrupt and revalidated the system. I remained responsible through operating procedures and crew training under a fixed deadline.

My current work with O3 Worldwide extends that experience into operational software for aerospace and maritime programs. I developed shipyard planning software with Rust and Python services behind a React/TypeScript interface. Planners' feedback shaped the scheduling model, and historical replay helped validate changes. My rover work provides a foundation in vehicle software. I co-led ROS 2 autonomy, connected it to STM32 controls through an asynchronous Rust driver, and tested changes through field trials and recorded-run replay.

My computer engineering and general engineering coursework at Irvine Valley College, where I maintain a 4.0 GPA, complements this hands-on experience. Anduril is where I want to build my career. Learning from mentors at Anduril has strengthened that ambition and my commitment to American and allied defense. I want to contribute to the maritime team while learning from engineers who carry autonomous systems through integration, deployment, and continued operation.

Thank you for your consideration. I would welcome the opportunity to discuss how my software and robotics experience could contribute to Undersea Dominance.

Sincerely,



Jahan Khan