

Ernesto Almario

Software Engineer, Web3 Engineer

Full-Stack Development · \$40/hr · Available

Cebu, Philippines · www.ernestoalmario.com · -

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SKILLS

Next.js, Nestjs, Angular, React, Vue.js, TailwindCSS, Laravel, PHP, Rust

ABOUT

Full Stack Developer | Technical Project Manager | Web3 & Smart Contract Engineer | Software Engineer

EXPERIENCE

Web3 Platform Manager · Rak Son OPC

Aug 2024 – Apr 2026

Mandaue, Cebu · full time

- **Technical Leadership:** Directed the architecture, engineering, and operations of a hybrid Web3 gaming platform, reporting directly to the CEO and leading cross-functional teams of software engineers, game developers, and UI/UX designers.
- **System Architecture:** Standardized enterprise system design by defining service boundaries, API contracts, and microservice communication patterns; produced all core technical documentation, architecture diagrams, and ERDs.
- **Full-Stack Development:** Engineered high-performance, modular frontends using Angular, React, and Next.js alongside secure, optimized NestJS backends.
- **Database Optimization:** Enhanced cross-platform database performance across MongoDB and MariaDB through advanced indexing and strategic query tuning.
- **Web3 & Smart Contracts:** Developed and deployed Rust-based smart contracts using the ink! framework for Substrate-based environments, integrating Polkadot APIs for wallet connectivity and transaction handling.
- **Ecosystem Integration:** Launched NFT logic, token utilities, and on-chain game mechanics within the Xode Blockchain ecosystem, ensuring gas optimization and rigorous security testing.
- **Executive Alignment:** Advised the CEO and Co-founders on technical risks, resource allocation, and budget estimation, aligning engineering milestones with high-level business objectives and marketing rollouts.

Senior Software Engineer · Blockspace Corporation

Jul 2023 – Jul 2024

Cebu City, Philippines · full time

- **System Architecture:** Architected and documented comprehensive, end-to-end system designs—including ERDs and API specifications—ensuring the scalability and maintainability of enterprise-grade applications.
- **Frontend Engineering:** Developed modular, responsive user interfaces using Angular, React, and Next.js, leveraging Shadcn UI to maximize component reusability and optimize render performance.
- **Backend Infrastructure:** Built secure, high-throughput backend services using Fastify (Node.js), implementing robust authentication mechanisms and optimized RESTful APIs.
- **Database Engineering:** Managed and tuned complex data schemas across MongoDB and MySQL, significantly reducing query latency through advanced indexing and schema optimization.
- **Web3 & Blockchain:** Spearheaded dApp functionality within the Xode ecosystem, integrating Polkadot APIs to ensure secure wallet connectivity and seamless on-chain transaction handling.
- **Quality Assurance:** Maintained high application reliability by enforcing Test-Driven Development (TDD) practices, comprehensive unit testing, and rigorous debugging workflows.
- **Technical Leadership:** Mentored junior and mid-level developers, establishing high engineering standards through structured code reviews and clean code principles.
- **Strategic Advisement:** Collaborated directly with the CEO and executive leadership at Rak Son OPC to align complex technical roadmaps with core business objectives.

Jr. Software Engineer · Human Incubator Inc

Mar 2022 – Jul 2023

Cebu City, Philippines · full time

- **Full-Stack Development:** Developed and maintained responsive web applications using a versatile tech stack including PHP (Laravel), Angular, and Vue.js.
- **IoT & Desktop Engineering:** Engineered a dedicated Windows Forms third-party desktop application to interface with IoT weight scale hardware, bridging physical device metrics with system data.
- **Database Management:** Managed and optimized relational data models within MySQL to ensure stable and efficient application data layers.
- **UI/UX Prototyping:** Translated application requirements into interactive wireframes and high-fidelity user interface designs utilizing Figma before technical execution.
- **Quality Assurance:** Authored and executed comprehensive unit tests to validate core business logic, minimizing production defects and ensuring code maintainability.
- **Agile Collaboration:** Maintained tight feedback loops by delivering regular velocity and task updates to the Senior Software Engineer, participating actively in code reviews.

EDUCATION

Cebu Eastern College · Bachelor of Science, Information of Technology

Jun 2015 – Apr 2019

Cebu City, Cebu Philippines