

Isaac D. Arcilla

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Summary

Experienced software engineer with a proven track record in designing and developing high-quality web applications with a strong focus on performance, reliability, and clean architecture. Skilled in crafting efficient, documented, and testable code for complex systems. Adept at maintaining and optimizing web applications to ensure peak performance and reliability.

Educations

Bachelor of Science in Computer Engineering, Major in Software Engineering
Catanduanes State University • Virac, Catanduanes • 2016 - 2019

Bachelor of Science in Computer Engineering, Major in Software Engineering
STI College Malolos • Malolos, Bulacan • 2014 - 2016

Experiences

Senior Software Engineer

InDebted Holdings Pty Ltd - New South Wales, Australia - February 2024 - May 2026

- Built and maintained scalable backend services using Go (Golang) and Elixir for high-performance web applications, supporting modern frontend frameworks such as Svelte and Next.js
- Led the migration of web and web applications to Elixir and Phoenix, improving scalability, fault tolerance, and real-time capabilities
- Delivered modern frontend experiences using component-based frameworks and SSR approaches aligned with Next.js architecture
- Implemented advanced SEO strategies including technical SEO, metadata optimization, structured data markup, sitemap management, and SSR optimization to improve search visibility and organic traffic
- Optimized website performance using Core Web Vitals best practices, lazy loading, asset optimization, caching strategies, CDN integration, and performance monitoring tools to enhance load speed
- Ensured compliance with accessibility standards (WCAG/ARIA), delivering inclusive and keyboard-accessible user experiences across modern web applications
- Integrated third-party services and business systems including forms, CMS platforms, analytics, authentication providers, payment gateways, CRM tools, and marketing automation platforms
- Worked extensively with AWS cloud services including EC2, S3, CloudFront, Route 53, RDS, Lambda, IAM, Amplify, and CloudWatch for application hosting, serverless workloads, CDN delivery, infrastructure management, monitoring, and deployment automation
- Implemented scalable cloud architectures and CI/CD workflows using AWS services, improving deployment reliability, application availability, and infrastructure scalability

Fullstack Software Engineer

Zeald Ltd. / Dash10 - Auckland, New Zealand - March 2023 - February 2024

- Developed fullstack applications using React and TypeScript with architectures and patterns aligned to Next.js, including SSR, SSG, API-driven UI, and modern component-based development
- Built and maintained scalable REST and GraphQL APIs to support dynamic, high-performance frontend applications and multi-platform integrations
- Implemented reusable UI components, design systems, and optimized rendering strategies using modern frontend best practices to improve maintainability and performance
- Collaborated closely with product, design, and engineering teams to deliver fast, responsive, scalable, and user-centric web applications
- Contributed to system architecture decisions, technical planning, and code quality initiatives through peer reviews and engineering best practices
- Integrated third-party platforms and services including CMS solutions, authentication providers, analytics tools, payment gateways, and marketing platforms
- Worked with AWS services such as EC2, S3, CloudFront, Route 53, Lambda, Amplify, and CloudWatch for cloud hosting, CDN delivery, serverless functions, monitoring, and deployment workflows

Fullstack Software Engineer

Rakso Creative Technology, Inc. - Makati City, Philippines - March 2021 - March 2023

- Designed and developed a SaaS-based Online School Management System using a modern fullstack architecture (React/Next.js-style frontend + API-driven backend)
- Built dynamic, scalable user interfaces using component-based frontend patterns aligned with Next.js (SSR-ready and modular design)
- Developed backend services and application logic following API-first principles, ensuring scalability and maintainability
- Translated user needs into technical solutions by analyzing feedback, user behavior, and system requirements
- Collaborated cross-functionally with product and design teams to define feature architecture and system workflows
- Prepared detailed technical designs, ensuring alignment between business requirements and implementation feasibility
- Contributed to system performance improvements through code optimization and efficient data handling strategies
- Participated in agile planning, providing accurate task estimation and delivery timelines
- Maintained high code quality by following best practices, coding standards, and modular development approaches

Fullstack Software Engineer

HIRETrades Australia - South Perth, Australia - March 2020 - March 2021

- Designed, developed, and maintained core business logic using Laravel, ensuring clean architecture and scalability
- Integrated third-party services such as Pusher, OneSignal, and Stripe to enable real-time features and payment processing
- Improved system performance, reduced infrastructure costs, and enhanced stability through caching and optimization techniques
- Communicated development progress, risks, and blockers effectively with stakeholders and team members
- Designed and implemented integration and system tests to ensure application reliability and robustness
- Documented test cycles and results to support transparency and long-term maintainability
- Collaborated with QA teams to identify, troubleshoot, and resolve bugs and defects efficiently
- Developed automation solutions and applied best practices such as ATDD/TDD to improve code quality and development efficiency

Computer Programmer I

Catanduanes State University - Bicol, Philippines - June 2019 - March 2020

- Designed and developed internal systems for various university departments based on operational requirements
- Diagnosed and resolved system issues to ensure smooth and reliable application performance
- Implemented enhancements to existing systems, improving efficiency, usability, and stability
- Wrote, modified, integrated, and tested code in alignment with technical specifications and project requirements
- Built and deployed applications based on approved designs and user needs
- Provided ongoing technical support and contributed to additional tasks supporting organizational goals

Skills

Code Editors: PHPStorm, VS Code

Languages: PHP, TypeScript, JavaScript, HTML, CSS, SQL, Go, Python, Elixir

Databases: MySQL, PostgreSQL, Redis, MongoDB, Supabase

Cloud Systems: AWS, Microsoft Azure, Docker, Github, Gitlab, Bitbucket, Nginx, Apache, Netlify

Frontend: React.js, Next.js, Remix.js, Svelte, Alpine.js, Vue.js, Tailwind, Astro, Bootstrap, SCSS

Backend: Laravel, Livewire, Filament, Symfony, Nest.js, GraphQL, Node.js, Go

Content: Payload, Sanity, WordPress, CloudCannon, Caspio, Silverstripe

Project Management: Jira, Trello, Confluence, Notion

No-code low-code: Wix, Squarespace, Webflow

E-commerce: Shopify, WooCommerce

Testing: PHPUnit, Pest, Jest, Playwright, PHPStan, PHPCS