Isaias Francisco dos Santos

SOLUTION ARCHITECT | COMPOSABLE COMMERCE, AWS & ENTERPRISE INTEGRATIONS

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PROFESSIONAL SUMMARY

Solution Architect with 15+ years in digital product and software delivery, including 6+ years designing enterprise commerce and cloud-native platforms. Leads technical discovery through production for commerce, checkout, booking, ERP, CMS, customer identity, and lead-management solutions, covering target-state architecture, APIs and events, non-functional requirements, ADRs, technical roadmaps, estimation, risk management, and production readiness. Combines client-facing architecture leadership with hands-on expertise in AWS, TypeScript, Node.js, React/Next.js, Commercetools, Shopify integrations, Contentful, and MACH principles. Delivered solutions that increased recurring revenue by 12% and materially reduced third-party API traffic.

CORE EXPERTISE

Solution Architecture: Discovery workshops, requirements decomposition, target-state architecture, system boundaries, API contracts, data flows, ADRs, roadmaps, estimation, and risk/trade-off analysis.

Cloud & Distributed Systems: AWS serverless, event-driven systems, microservices, asynchronous processing, caching, observability, resilience, security, scalability, performance, and cost awareness.

Commerce & Integrations: Commercetools, Shopify storefront integrations, Contentful, Bold Checkout, payments, booking, ERP, CMS/CRM, REST/GraphQL APIs, webhooks, and third-party platforms.

Technical Leadership: Client workshops, stakeholder presentations, cross-functional alignment, architecture and code reviews, mentoring, release governance, incident response, and RCA.

PROFESSIONAL EXPERIENCE

Solution Architect | Outliant — Oct 2025 - Present

Remote

Technology: AWS, React, Next.js, TypeScript, Node.js, Lambda, API Gateway, DynamoDB, CloudFront, Amplify, Webflow, Mindbody, RepairQ, Creatio

- Own solution architecture from discovery through production for customer-facing platforms and integrations spanning booking, checkout, payments, profiles, claims, CMS, analytics, and lead management.
- Translate business goals and operational constraints into target-state designs; define system boundaries, API contracts, data flows, environment and deployment strategies, observability, caching, and security controls.
- Lead client workshops and architecture reviews, aligning product, delivery, design, frontend, and backend teams on scope, estimates, dependencies, risks, and pragmatic trade-offs.
- Design AWS-based serverless services and integrations using Node.js and TypeScript across customer-facing and operational workflows.
- Designed multi-layer caching and asynchronous refresh patterns that materially reduced third-party API traffic while improving performance and resilience.
- Guide production readiness through architecture reviews, code reviews, release governance, incident analysis, RCA documentation, and remediation planning.

Full-Stack Engineer - Commerce Architecture | Bold Commerce — May 2025 - Sep 2025

Winnipeg, Canada / Remote

Technology: Commercetools, Shopify, Bold Checkout, Node.js, TypeScript, payments, automated testing, CI/CD

- Served as the Commercetools and Node.js specialist for the Bold Checkout team, shaping integration architecture for enterprise checkout and payment workflows.
- Designed and implemented the Bold Checkout integration with Commercetools, balancing extensibility, reliability, platform constraints, and client-specific requirements.
- Supported Shopify-based storefronts integrated with Bold Checkout, collaborating on checkout behavior, data flows, payment workflows, error handling, and external commerce services.
- Worked directly with clients and internal platform teams to clarify integration constraints, guide implementation decisions, and protect platform stability and maintainability.
- Improved release confidence through automated testing, technical review, and collaboration on CI/CD and deployment strategies.

Senior Software Development Engineer | Everest Systems — Nov 2022 - May 2025

Remote

Technology: AWS Lambda, SQS, EventBridge, Cognito, RDS, PostgreSQL, React, Redux, Node.js, TypeScript

- Designed cloud-native and serverless capabilities for a highly configurable ERP platform, including event-driven workflows, authentication, persistence, and distributed business processes.
- Defined architectural standards, reusable patterns, and engineering practices focused on scalability, reliability, performance, testability, and maintainability.
- Translated complex ERP rules into modular frontend and backend services while preserving configurability and usability.
- Introduced AI-assisted development tools and workflows for code scaffolding, test generation, refactoring, debugging, documentation, and technical research, reducing repetitive work while retaining code review and automated testing.
- Provided technical leadership across solution design, implementation, code review, mentoring, onboarding, production support, and long-term platform evolution.

Software Engineer / Technical Lead | Valtech **Apr 2021 - Nov 2022**

Remote

Technology: Nx, Next.js, GraphQL, Node.js, GCP/GKE, Azure Functions, Algolia, Salesforce, Commercetools, Contentful

PetSmart - Senior Full-Stack Engineer

- Led development of an Nx monorepo supporting multiple Next.js micro-frontends, shared libraries, and backend services deployed to GKE.
- Implemented MACH-aligned patterns across headless commerce, GraphQL/API layers, cloud deployment, and modular frontend architecture.
- Contributed architecture decisions spanning frontend, backend, GraphQL, infrastructure, testing, and developer experience.

ISC2 - Senior Full-Stack Engineer

- Architected a GraphQL and microservices backend from the ground up, improving modularity, extensibility, and separation of concerns.
- Designed Azure serverless integrations with Algolia, Salesforce, and Commercetools.
- Produced architecture documentation and onboarded internal engineers to the solution structure and engineering practices.

Full-Stack Developer | Object Edge Inc. **Mar 2020 - Apr 2021**

Walnut Creek, CA / Remote

Technology: Commercetools, Contentful, Node.js, GraphQL, React, Next.js, Vue.js, AWS, GCP

- Built headless commerce architectures for enterprise clients using Commercetools, Contentful, GraphQL, Node.js, and modern frontend frameworks.
- For Nuts.com, led subscription capabilities that contributed to a 12% increase in recurring revenue and supported migration from PHP to Vue.js and Node.js.
- For Zenni Optical, led backend microservices for Cart, Login, and Order History and designed a product-configuration engine for customized eyewear.
- Implemented event-driven automation with AWS Lambda and EventBridge for transactional and operational workflows.

EARLIER EXPERIENCE

Frontend Developer | HappyBiz Tecnologia e Sistemas | 2017 - 2020 - Built web and mobile applications using React, React Native, TypeScript, AWS, and modern UI/UX practices.
Frontend Developer / Designer | Fontoura Hot | 2009 - 2017 - Delivered websites and digital experiences using JavaScript, WordPress, HTML, CSS, responsive design, and UX principles.
Designer | APR Designers | 2008 - 2009 - Created visual communication, branding, and digital design assets for client projects.

TECHNICAL EXPERTISE

Architecture: Solution design, cloud architecture, distributed systems, serverless, event-driven architecture, microservices, MACH, headless commerce, API design, integration strategy, security, scalability, performance, caching, observability, ADRs, and RCA.
Cloud & DevOps: AWS Lambda, API Gateway, SQS, EventBridge, DynamoDB, RDS, Cognito, CloudFront, CloudWatch, Amplify, S3, Docker, Kubernetes, GCP, GKE, Azure Functions, and CI/CD.
Engineering: TypeScript, JavaScript, Node.js, React, Next.js, GraphQL, REST, Express, Apollo, PostgreSQL, DynamoDB, Nx, Jest, and React Testing Library.
Commerce & Platforms: Commercetools, Shopify integrations, Contentful, Webflow, Bold Checkout, Mindbody, RepairQ, Creatio, Salesforce, Algolia, Stripe, Braintree, GA4, and GTM.
AI-Assisted Engineering: Code scaffolding, test generation, refactoring, debugging, technical documentation, engineering research, and human-in-the-loop validation.

CERTIFICATIONS, EDUCATION & LANGUAGES

Commercetools JavaScript Developer Certification
Education | FATEC Carapicuíba | 2015 - 2018 - Digital Game Development.
Technology Degree | UNINOVE | 2009 - 2012 - Internet Systems.
Technical Degree | ETEC Carapicuíba | 2006 - 2009 - Graphic Design / Visual Communication.
Languages: Portuguese - Native | English - Full Professional Proficiency