

Jariel Balberona

Senior Fullstack Engineer | AI Automation | System Architecture | Cloud + DevOps | 10 years

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SUMMARY

Senior Fullstack Engineer with 10 years of experience building and improving production systems across frontend, backend, and delivery infrastructure. Strong in React and TypeScript applications, Node.js APIs, PostgreSQL-backed products, and cloud delivery foundations across AWS and Azure. I focus on maintainability, clear system boundaries, and reliable shipping under real product pressure. My work includes automation and AI-assisted systems, using event-driven workflows, background processing, and operational tooling to reduce manual work and improve system visibility.

CORE SKILLS

Frontend: React, TypeScript, Next.js, Vite, View, Astro, Tailwind CSS v4, ShadCN, Design Tokens, TanStack Query, Zustand, Redux Toolkit, Jotai

Backend and Data: Node.js, Express, Go, REST APIs, PostgreSQL, Prisma, Drizzle ORM, Redis, WebSockets

Testing and verification: Vitest, Playwright, Go test, API integration tests, Snapshot tests, Regression checks

Platform and Delivery: Docker, Terraform, GitHub Actions, CI/CD, AWS (ECS, S3, RDS, ECR, EC2, Route 53), Azure (ADF, ADLS), Grafana, Prometheus, Loki, Sentry, Posthog

Architecture: Feature-based architecture, modular systems, layered and clean architecture, monorepos, event-driven flows, observability, scalable frontend systems

AI and Automation: OpenAI API, Claude, Gemini, structured outputs, summarization, classification, decision-support workflows, webhooks, workflow orchestration (n8n, Make, Zapier), event-driven automation, AI-assisted operational tooling

EXPERIENCE

PRIVV | Senior Software Engineer | Full-time

Oct 2024 – March 2026 | Remote (Arizona, United States)

Worked on the modernization of a legacy React frontend for a construction project management platform.

- Worked closely with the CTO and design team to lead frontend application direction, aligning architecture, UI implementation, and delivery priorities across the product.
- Led a major frontend modernization across React 17 to 19, CRA to Vite, SASS to Tailwind CSS v4, and token-based theming to reduce build friction and improve iteration speed.
- Re-architected the frontend into feature-based modules with reusable hooks and clearer ownership boundaries to improve maintainability and parallel development.
- Reworked state and data patterns from Redux-heavy flows to TanStack Query and Zustand, using cache-first query design, structured invalidation, and optimistic updates where appropriate.
- Implemented token-driven UI with Tailwind v4 design tokens for consistent styling and scalable theming.
- Strengthened engineering quality through Vitest, Biome, Husky, and stricter modular boundaries to reduce regressions and improve delivery confidence.
- Delivered new features end to end across frontend and backend within the new setup, proving the architecture could support ongoing development without falling back into legacy patterns.

Tech: React, TypeScript, Vite, Tailwind CSS v4, TanStack Query, Zustand, Vitest, Biome, Husky, NestJS, PostgreSQL, Monorepo

DataGPT AI | Software Engineer | Part-time

May 2025 – Nov 2025 | Remote (California, United States)

Worked on product engineering for a chat-driven AI analytics platform, with focus on workflow clarity, analytics UX, and product reliability.

- Expanded in-chat analytics rendering to support advanced charts such as heatmaps, treemaps, and stacked bar visualizations for exploratory analysis.
- Built Agents V1 orchestration UI, a node-based workflow builder covering data source, prompt, condition, and recipient flows.
- Improved visibility into query and result states so analytics workflows were easier for users to understand and trust.

Tech: React, React, TypeScript, Redux, Data Visualization, Analytics UX, Workflow UI, Reliability Patterns

Experience Digital | Senior Software Engineer to DevOps Engineer | Full-time

Mar 2022 - Oct 2024 | Remote (New South Wales, Australia)

Progressed from software engineering into DevOps and platform work across product modernization, delivery systems, observability, and reporting infrastructure.

- Modernized a legacy product through incremental adoption of Next.js, Tailwind, Jotai, tRPC, and Prisma while preserving compatibility with an existing database and ongoing production use.
- Improved React application performance and frontend responsiveness through better state and rendering discipline.
- Built and maintained CI/CD pipelines and infrastructure automation using Terraform and Docker, improving release repeatability and reducing manual operational work.
- Supported production observability with Grafana, Prometheus, and Loki for monitoring, logging, and diagnostics.
- Contributed to Power BI enablement and cloud data-platform support across AWS and Azure in collaboration with the data team.

Tech: Next.js, React, TypeScript, Jotai, Tailwind CSS, tRPC, Prisma, Terraform, Docker, AWS, Azure, Grafana, Prometheus, Loki, Power BI

Chorefree Living Inc. | Front-end Lead Software Engineer | Full-time

Apr 2021 - Mar 2022 | Remote (Vancouver, Canada)

Led frontend engineering for a cleaning booking platform covering appointments, schedules, and customer workflows. Owned frontend structure and UI delivery with focus on maintainability and scalability.

- Led frontend engineering for a cleaning services booking platform covering appointments, cleaning schedules, and customer-facing service workflows.
- Owned frontend structure and UI delivery, improving maintainability and feature scalability as the product grew.
- Optimized data fetching with Apollo Client and added error tracking and analytics instrumentation to improve reliability and product visibility.

Tech: React, TypeScript, Apollo GraphQL, Gatsby, SASS

PRODUCT ENGINEERING (SELECTED WORK)

Dumadine | Multi-tenant Hospitality Platform

Oct 2025 - Present (Philippines)

Multi-tenant hospitality platform spanning ordering, kitchen operations, inventory, and accounting, shaped around live venue workflows rather than idealized demo flows.

- Built browser-based customer ordering, POS, merchant operations, and kitchen display workflows with real-time order status and operational coordination.
- Designed inventory and loyalty foundations with idempotent consistency flows across orders, stock movement, and rewards.
- Built around modular domains, WebSocket-based real-time propagation, and cloud delivery foundations using Docker, Terraform, and AWS.
- Shaped requirements against actual local cafe operations, keeping the product grounded in live service constraints.

Tech: TypeScript, React, TailwindCSS 4, shadcn/ui, Node.js, Express, PostgreSQL, Drizzle ORM, WebSockets, Monorepo, React Native Expo, Docker, Terraform, AWS

EARLIER EXPERIENCE

Arcanys — Web Software Developer (Mar 2020 – Apr 2021)

Angular/AngularJS, REST integrations, feature delivery

IdeaRobin — Fullstack JavaScript Developer (Mar 2018 – Feb 2020)

React/Vue, Socket.IO real-time apps, Node/Koa + MongoDB, AWS/Jenkins/Docker

IdeaRobin — Intern (May 2017 – Mar 2018)

React/jQuery features, WordPress integrations, UI/graphics support.

Upwork & Elance | Freelance (2014 to 2017)

Lead generation, executive assistant support, graphic design, and web development gigs.