Diego Kury Rivera

 DiegoKury   ✉ contact@diegokury.com   🌐 diegokury.com   in Diego Kury

Core Stack
TypeScript, Node.js, NestJS, React, Next.js, Vue, MongoDB, PostgreSQL, Prisma, REST APIs, Zod

Infrastructure & DevOps
AWS, Docker, Terraform, CI/CD, Datadog, SonarQube

Languages
English (Native), Spanish (Native), Japanese (N2)

Tooling & Testing
Vite, Vitest, Postman

Education
Tecnologico de Monterrey B.S. Computer Engineering (2020-2025)

Additional Experience
Golang, Python, PHP (SilverStripe), Angular, Agile delivery, Scrum leadership

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💼 Experience

Tavant, Full Stack Engineer   December 2025 - Present

- Architected high-throughput Node.js/TypeScript services using Zod runtime schema validation and MongoDB data models, supporting millions of monthly users and 1k+ req/sec for a Fortune 500 client.
- Defined scalable REST API contracts and service boundaries using TypeScript type safety and Zod validation pipelines, ensuring cross-team reliability and maintainability.
- Improved API performance 20% through MongoDB indexing strategies and Node.js middleware patterns for validation and structured error handling, and reduced onboarding time by 30% by providing valuable documentation.

Divvy Digital, Full Stack Engineer   October 2023 - December 2025

- Architected distributed POS inventory synchronization services using Node.js with NestJS modular architecture, TypeScript type safety, and MongoDB schema modeling, supporting real-time multi-source updates across 2000+ locations.
- Designed idempotent REST APIs and consistency safeguards using TypeScript contract typing and MongoDB atomic update patterns, preventing race conditions across integrated POS systems.
- Led React/Vue component architectures with reusable patterns, integrating Next.js SSR and Prisma/PostgreSQL typed data access while provisioning AWS infrastructure via Terraform, Docker, and Ansible, reducing deployment errors 40%.

Ad Astra International, Full Stack Engineer   October 2021 - September 2023

- Developed backend services using Django ORM and PostgreSQL query optimization, improving latency for high-traffic form workflows on an international exchange platform.
- Built Vue.js reusable component architecture and dynamic page modules, improving UI consistency and frontend maintainability.
- Established SSH-based deployment automation and release workflows, improving deployment reliability across Agile delivery cycles.

Siingly, Full Stack Developer   July 2020 - September 2021

- Developed backend services using Golang middleware patterns for authentication, request validation, and API security within a cross-platform dating platform (iOS, Android, web).
- Managed Firebase real-time data synchronization and document modeling, ensuring scalable user data and live application features.
- Built React component interfaces and Flutter mobile features, integrating AWS S3 object storage and Rekognition image verification pipelines for user identity validation.

📋 Projects

json-vista
Framework-agnostic Web Component JSON viewer with Shadow DOM isolation, interactive search/filtering, published as an open-source npm package with zero dependencies.

kanji-highlighter
Open-source Chrome extension supporting 120+ users, used for instant Japanese word lookup via text highlight, integrating Jisho.org definitions and OJAD pitch-accent contours with rise/fall markers.