Gaspar Dip

dip.gaspar@gmail.com | (+54) 911 5141 7025 | Buenos Aires, AR

Summary

Programming enthusiast, I believe in the power of technology to make people's lives easier. Obsessed with detail and quality, always trying to find efficient and elegant solutions.

Skills

- **Languages**: TypeScript, Python, C#, SQL, Solidity, Go, PHP
- **Frontend**: React, Angular, Next.js
- **Backend**: Express, NestJS, Fastify, Next.js
- **Protocols**: WebSocket, GraphQL, REST, gRPC
- **Databases**: MongoDB, PostgreSQL, Redis, Elasticsearch
- **DevOps**: Docker, Kubernetes, Terraform
- **Testing**: Jest, Vitest, RTL, Enzyme, Mocha, Chai, Sinon
- **Cloud**: DynamoDB, EC2, EKS, Lambda, S3, SNS, SQS, GCE, GKE

Work Experience

Senior Software Engineer — Apr 2025 — Jul 2025
- Contributed to gamification platform backend including achievement tracking APIs, streak calculations, database schema design, leaderboard notification cron jobs using NestJS, PostgreSQL, and AWS event-driven services (SQS/SNS)
- Collaborated with product managers and designers to ship full-stack features including course prerequisite logic and CPE credit tracking, and GraphQL API enhancements
- Developed UI components and micro-frontend features using React and TypeScript across DataCamp's distributed architecture for multiple learning platform islands
- Maintained code quality through comprehensive testing with Jest, RSpec, and React Testing Library while implementing feature flag rollouts and database migrations

Senior Frontend Engineer — Feb 2025 — Mar 2025
- Redesigned and rebuilt the Schema Manager frontend interface, enabling enterprise retail clients to define custom event schemas for real-time data ingestion into Bluecore's analytics pipeline
- Worked closely with backend engineers, product managers, and customer success teams to ensure the schema definition tool met complex enterprise client requirements
- Refactored existing codebase using React with Next.js, MUI, GraphQL for API communication, Protocol Buffers for data serialization, and Go for backend services

Senior Software Engineer — Oct 2022 — Oct 2024
- Co-led the React migration initiative by identifying ecosystem risks of remaining on React 17 while key dependencies transitioned to React 18+ and ESM-only builds
- Migrated from Enzyme to RTL, translating approximately 8k tests (from a total of about 16k) due to Enzyme's deprecation and lack of React 18+ support
- Shifted from CJS to ESM, modernizing the module resolution mechanism and updating key dependencies
- Migrated test runner from Karma/Mocha/Sinon/Chai to Vitest, leveraging Vitest's modern, Vite-based architecture to significantly reduce CI times
- Co-introduced vanilla-extract and sprinkles, inspired by tailwind, to replace SASS, creating a zero-runtime, type-safe design system
- Enforced auto-formatting across a codebase maintained by over 50 engineers
- Developed the campaign milestones feature, allowing users to group related tasks into milestones to improve visibility and manage project progression
- Implemented the ability to add fields to assets, enabling users to structure and organize data with shared taxonomy across the platform

Front End Lead — Jul 2022 — Feb 2023
- Led a small team of engineers and was responsible for setting up micro-frontends using Turborepo
- Used TypeScript, React, Next.js, MUI and Tailwind to build solutions and address diverse use cases during the company's transition

Fullstack Blockchain Engineer — Sep 2021 — Jul 2022
- Multi-chain dApp development using React and ethers.js/web3.js
- Smart contract development with Solidity, including ERC20 tokens, ERC721 tokens, upgradeable smart contracts (transparent proxies) and staking pools

Education

Universidad de Morón — Jan 2018 — Present
Engineering

Universidad Tecnológica Nacional — Jan 2016 — Dec 2018
Technician