

Isidro Molina

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TECHNICAL SKILLS

Frontend: JavaScript, TypeScript, Python, Java, HTML, CSS, SCSS, BEM, React, Redux, Bootstrap, Vue.js, Svelte

Backend: Docker, Spring Boot, Ruby on Rails, Node.js, Express.js, GraphQL, Restful APIs, PostgreSQL, MySQL, Postman, ElephantSQL

Additional Skills: Firebase Authentication, JWT, Jest testing, TDD, Matplotlib, Chart.js, Agile, Jira, Figma, Heroku, Netlify, Git, Github

WORK EXPERIENCE

Spring Health | *Software Engineer*

September 2023 - July 2025

- Strategically integrated the Mixpanel analytics platform, implementing comprehensive product telemetry that decisively enabled data-driven product decisions and yielded insightful metadata analysis on key user engagement funnels.
- Led migration of legacy Javascript code for internal platform, diligently implementing a modern, highly aesthetic component library (Chakra UI) to significantly elevate UI/UX and drastically improve long-term maintainability.
- Optimized the user feedback loop by successfully integrating tools like Retently to accurately measure and track user satisfaction (CSAT/NPS), directly informing product roadmap prioritization.
- Actively participated in bug duty rotations, swiftly triaging and resolving critical bugs and production issues; periodically presented detailed status updates on key data analytics from Datadog, Mixpanel, and Sentry to the engineering team.
- Consistently contributed to code quality and team efficiency by conducting thorough code reviews, promptly providing constructive feedback, and strictly upholding engineering standards for Next.js/React and Ruby on Rails features.
- Demonstrated commitment to technical excellence by proactively engaging in professional development focused on the company tech stack, including Practical Object-Oriented Design principles.

PROJECTS

Tankmates App <[Preview Live Project Here](#)>

June 2023

- *Synopsis:* Tankmates helps both new and experienced enthusiasts alike, providing a marketplace with all of their needs in addition to tank monitoring features to help keep users' fish happy and healthy.
- *Technologies Utilized:* React, TypeScript, SCSS, BEM, Firebase Authentication, Express.js, Node.js, HTML, Redux, PostgreSQL, RESTful APIs
- *Technical Results:* A responsive, visually appealing UI that leveraged React.js, Typescript and SCSS/BEM styling. Built a relational database using PostgreSQL and Express.js, serving data via RESTful APIs for efficient inventory management. Managed complex global state management w/Redux, resulting in improved app performance, and smoother user interactions.

Nexus Banking

Feb 2026 - Present

Built a reactive API gateway (Spring Cloud Gateway / WebFlux) fronting four banking microservices, implementing a layered filter pipeline for validation, access control, authentication, rate limiting, and protocol normalization.

- Integrated **Keycloak (OAuth2/OIDC)** for centralized authentication, combining JWT signature validation with token introspection and per-route scope enforcement (e.g., accounts:read)
- Hardened gateway against common attacks: IP allow/deny lists with CIDR matching, scanner user-agent blocking, request-parameter validation (SQLi/XSS/path-traversal patterns), and inbound/outbound header stripping to block header-injection & information leakage
- Engineered **distributed resilience** w/Resilience4j across all services: circuit breakers at both gateway and service-to-service boundaries, time limiters, and graceful fallbacks returning degraded data to prevent cascading failures when downstream services fail
- Instrumented **distributed tracing** with Micrometer and OpenTelemetry, propagating correlation IDs across all four services to enable end-to-end debugging of latency and failure patterns

EDUCATION

Pursuit Fellowship | Full Stack Software Engineering

Relevant Course Work: Javascript, TypeScript, HTML, CSS, SCSS, BEM, React, Redux, PostgreSQL, JWT, Jest Testing, Java, Test Driven Development, Front and Back-end Deployment with Netlify, Heroku, and ElephantSQL

The City College of New York | Engineering

Relevant Course work: Calculus II, Engineering Design I, Introduction to Computing, Discrete Mathematical Structures, Computers and Assembly Language Programming, Data Structures, Algorithms, Software Design Laboratory, Operating Systems

Computer Science (A.S.) | Borough of Manhattan Community College

Relevant Course work: Computer Science, Java, Data Structures and Algorithms, Software Development, Discrete Mathematics, Calculus I