

Francisco Ducasse

Full-Stack Software Engineer

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SUMMARY

Full-stack engineer building and modernizing web applications with PHP/Laravel, JavaScript, TypeScript, React, and Angular. Experience connecting user interfaces, API endpoints, and database workflows, contributing to production microservices, and improving maintainability through reusable components and automated testing.

PROFESSIONAL EXPERIENCE

Tivly · Full-Stack Engineer (Mid-Level)

Apr 2023 to Jan 2026

- Refactored 50+ business-critical files in a Laravel monolith using a Controller-Service-Repository architecture, making previously coupled backend logic independently unit-testable and reducing duplication through reusable service-layer functions.
- Built Heartbeat's agent-availability interface and API endpoints to register heartbeat events and persist JSON updates to the database, supporting call-routing workflows for approximately 300 concurrent agents.
- Helped introduce approximately 10 production microservices for workflows including third-party email delivery and lead-detail retrieval, supporting 10,000+ emails per day with dedicated error-handling paths.
- Partnered with UX on Curve, a library of 20-30 reusable components built with Storybook, SCSS, and Vite; replaced Bootstrap 3 across 50+ priority pages and reduced frontend build time by approximately 30%.
- Redesigned 100+ responsive landing pages and conversion flows using React, server-side and client-side rendering, and API integrations; optimized forms with Google Autocomplete, reducing average completion time from 4 minutes to 3 minutes and increasing completed forms by 40%.
- Modernized the call-center workflow by replacing legacy jQuery and Bootstrap dependencies with vanilla JavaScript and an updated UX; reduced call-completion time by more than 30% and increased lead-transfer capacity from 7,000 to 10,000 per day.
- Implemented NLP-assisted business classification for approximately 10,000 leads per day, replacing manual category searches with automated selection from the existing taxonomy.
- Collaborated with insurance partners including Progressive, The Hartford, and GEICO to deliver 10+ partner-specific landing pages, integrations, and lead-generation workflows.
- Established automated testing where unit tests had not previously existed, adding or maintaining 300+ PHPUnit, Jest, and Cypress tests and reducing manual QA effort for call-center releases.
- Mentored an intern for 6 months through a page-refresh project spanning frontend and backend logic.
- Reviewed code daily to catch defects before release and help standardize conventions, reusable service patterns, and maintainable code structure.

Velsera · Frontend Engineer (Junior)

Apr 2022 to Apr 2023

- Built and enhanced 50+ Angular components and workflows for ARIA Cohort Composer, enabling bioinformaticians to create and analyze health-data cohorts.
- Developed a core UI workflow translating 50+ search parameters into API requests for filtering, validation, saving, and health-data retrieval.
- Developed and maintained 50+ TypeScript interfaces, types, and Angular services to improve frontend data consistency and API-workflow reliability; applied the custom styling library to maintain consistent UI patterns.
- Added and maintained 100+ unit tests, reducing manual QA effort alongside end-to-end testing.
- Delivered features in weekly sprints within a 15-engineer team, collaborating with engineering, design, product, and QA; reviewed pull requests to unblock integrated feature delivery and maintain code quality.

TECHNICAL SKILLS

Languages: PHP · JavaScript · TypeScript · Java · SQL

Frontend: React · Angular · RxJS · Micro-Frontends · HTML · CSS · SCSS · Storybook · Vite

Backend & APIs: Laravel · Spring Boot · Node.js · REST APIs · Microservices · Third-Party Integrations

Data & Workflows: MySQL · MongoDB · Laravel Queued Jobs · Scheduled Tasks · Database Migrations

Cloud & DevOps: AWS (EC2, ECS, RDS, DynamoDB) · Docker · Git · GitLab CI/CD · Bitbucket Pipelines

Testing: PHPUnit · Jest · Cypress · Playwright · Unit Testing · Integration Testing · End-to-End Testing

Tools & Practices: Agentic Coding · Jira · Scrum