

# Tao Zamorano

## Software Engineer

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Software Engineer with 10+ years of commercial web development experience, specialising in frontend-heavy applications and practical cross-stack delivery. Independently identifies and implements maintainability, dependency-security and reliability improvements in production software. Commercial experience spans Angular, React, TypeScript, APIs, SQL and scoped backend changes, with pragmatic AI-assisted development and verification.

### TECHNICAL SKILLS

**Primary commercial technologies:** JavaScript, TypeScript, Angular, React, Next.js, HTML, CSS

**Backend and integration:** REST APIs, SQL/MySQL, PHP, Laravel; scoped C#/.NET changes; Go and Server-Sent Events in independent projects

**Engineering and delivery:** Git, GitLab code review, Sentry, Playwright (partial commercial setup), manual regression testing, Jenkins pipeline usage

**AI-assisted development:** Cursor at work; OpenCode, GitHub Actions and structured repository workflows in personal projects

### PROFESSIONAL EXPERIENCE

#### Mid-Level Engineer | Hyve Managed Hosting | Sep 2025 - Oct 2026 | UK

- Independently initiated an incremental Angular 19-to-21 upgrade to address maintainability and dependency-security issues; researched migrations and maintained compatibility with existing features.
- Traced transitive dependency vulnerabilities and applied compatible version overrides while preserving a deployment-critical shrinkwrap workflow; reduced npm audit findings from 50+ to fewer than five (three of four critical findings resolved).
- Refactored component organisation, extracted API and business logic into services, and adopted signals, rxResource and OnPush where appropriate; most structural improvements reached production.
- Proposed and delivered a role-sensitive ticket email-notification setting across Angular state/UI, API request handling, C# endpoint logic and SQL schema/queries; received positive support-team feedback.
- Investigated VM patching-order misclassification with Support and Customer Experience; proposed an aggregated monthly workflow and submitted an agent-assisted classification fix for colleague review and deployment.
- Monitored Sentry and fixed client handling of expected HTTP 400 responses, reducing reporting noise; contributed through GitLab merge requests and incorporated review feedback.

#### Front-end Developer | M10c | Oct 2024 - Jun 2025 | UK

- Implemented React/TypeScript UI components across three applications supporting Coca-Cola's international Share a Coke campaign, including a consumer customisation experience and market-configuration tools.
- Built multi-step personalisation flows with locale-specific name validation and in-store versus online purchase journeys; used hooks, lookup objects and state-machine-like transition logic to retain or clear data appropriately.
- Worked from supplied designs and scope; the lead developer reviewed and refined implementations, with manual testing carried out by dedicated testers.

## Developer | Archetype | Jan 2020 - Aug 2024 | UK

- Developed and maintained websites, infographics and interactive experiences for 10+ international clients, primarily using WordPress, Bedrock, Sage and Advanced Custom Fields.
- Independently implemented two responsive React hotspot infographics for Elasticsearch, dynamically positioning and resizing interactive overlays using CSS and JavaScript.
- Maintained an Aviva Laravel dashboard, replacing deprecated external API integrations in PHP; deployed and obtained client acceptance of the updates.
- Tested across local, development and staging environments and used existing Jenkins pipelines for non-production deployments; collaborated with distributed teams.

## Web and IoT Developer | DataFlow | Nov 2017 - Mar 2019 | Chile

- Independently built an Ionic application integrating existing IBM DataPower monitoring services via JavaScript requests; used internally and demonstrated to prospective public-sector customers.
- Iterated navigation and monitoring visualisations based on feedback; introduced three colleagues to web and JavaScript development through practical examples.

## Full Stack Developer | Bindex | Aug 2016 - Dec 2017 | Chile

- As sole developer, maintained and extended an existing investment-analysis application; inspected MySQL relationships, modified tables and maintained existing server operations.

## SELECTED INDEPENDENT PROJECTS

**Bootstrap - agent development workflow.** Designed a source-controlled file-based workflow for resumable work across devices: scoped tasks, acceptance criteria, outcome records, structural linting and SHA-256-based upgrades. Coding agents implemented the tooling under direction. [github.com/taolicus/bootstrap](https://github.com/taolicus/bootstrap)

**KXP - multiplayer Go web game.** Specified client readiness and server signalling to prevent premature match starts under poor connectivity; validated behaviour with CPU and human opponents. Uses Server-Sent Events, Go tests and GitHub Actions. Related projects: Asteroids and Komikan. [github.com/taolicus/kxp](https://github.com/taolicus/kxp)

## EDUCATION AND PROFESSIONAL DEVELOPMENT

Machine Learning Bootcamp - Machine Learning Institute, UK (2025) | Analyst Programmer - INACAP, Chile (2013-2016) | Visual Communication Design studies - UTEM, Chile (2007-2009)

## LANGUAGES

English: fluent | Spanish: native