

Jorge Taberoa

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PROFESSIONAL SUMMARY

Software Engineer specializing in system architecture, data security, and enterprise integrations. 3+ years architecting production features at Outbuild (construction tech), with proven track record delivering 30-85% performance improvements and resolving critical security vulnerabilities. 2nd largest contributor (2,368 commits) in 30,000+ commit enterprise codebase. **Key achievement: Architected multi-tenant security system that resolved data isolation vulnerability, enabling \$17K enterprise contract that renewed for \$51K (3-year expansion).**

WORK EXPERIENCE

Outbuild

Software Engineer

September 2022 - Present | Remote

Joined during seed stage; contributed to growth through Series A funding

- Architected enterprise multi-tenant security system across 9 database tables with Repository Pattern and automatic validation hooks, resolving critical data isolation vulnerability. Delivered in 3-week sprint (298 commits), enabling \$17K contract that expanded to \$51K (3-year renewal) with zero security incidents.
- Designed Redis-based Cache Invalidation System with fire-and-forget pattern across 11 models, achieving 60% query performance improvement and resolving AWS ElastiCache bottleneck (2000ms to 30ms).
- Architected Activity Conversion System with WebSocket real-time progress tracking, processing 3,000+ activities simultaneously with transactional database safety and automatic rollback.
- Developed bulk selection system processing 1,000+ activities with 85% performance improvement through Redux migration and centralized cleanup logic.
- Implemented OAuth 2.0 authentication for 3 enterprise platforms (Procore via Agave, Trimble, Autodesk Cloud), managing JWT lifecycle and SSO user provisioning for 500+ enterprise users.
- Engineered Procore API integration suite (Schedule Push, Drawings, Directory sync, Webhooks for RFI/Submittal events), automating 10+ hours per week of manual data entry.
- Built WBS hierarchy visualization with Gantt charts (DHTMLX), implementing Critical Path calculation using DFS algorithms and 10-level depth support with visual indentation.
- Optimized API endpoints achieving 30-65% latency reduction through N+1 query elimination, strategic caching, and selective Sentry replay.
- Established technical writing standards, authoring 50+ technical documents (20,000+ lines) including C4 diagrams, Mermaid sequence diagrams, ADRs, and comprehensive API documentation.
- Led technical debt reduction through TypeScript migration (300+ files), ESLint enforcement, and comprehensive unit testing achieving 81 unit tests with greater than 80% code coverage.

Technologies: React.js, Node.js, TypeScript, Redux, WebSocket, OAuth 2.0, PostgreSQL, Redis (AWS ElastiCache), MongoDB, Sequelize, Multi-Tenancy, DHTMLX Gantt, Jest, Docker, AWS (ECS, Lambda), Procore API, Autodesk API, Trimble API, Sentry, Amplitude

<https://www.outbuild.com/>

Fracttal

Frontend Developer

December 2021 - September 2022 | Remote

- Developed React.js and TypeScript API testing portal used by 20+ internal developers, reducing API debugging time by 30% through interactive request builder and automated test case generation.
- Architected reusable component library (fracttalcore) with Rollup bundler and TypeScript, published as private NPM package and adopted by 3+ teams, reducing duplicate UI code by 40%.
- Enhanced application performance through component composition patterns, custom React hooks, and memoization strategies (React.memo, useMemo, useCallback), reducing unnecessary re-renders by 35%.
- Implemented comprehensive i18next multilingual platform supporting 8+ languages with 200+ UI components, lazy-loaded translation files, and 5,000+ translation keys.
- Created Storybook documentation with 100+ component stories, interactive controls, accessibility testing (a11y addon), and automatic visual regression testing.
- Optimized Webpack bundle by 20% through code splitting, dynamic imports, and removal of moment.js (replaced with date-fns) saving 200KB.

Technologies: React.js, TypeScript, Redux.js, React Hooks, Styled-components, Material-UI, Vite, Webpack, Storybook, i18next
<https://www.fracttal.com/en/>

Loft MX

Semi Senior Full Stack Developer

May 2022 - July 2022 | Remote

- Contributed to full-stack rebranding initiative, enhancing Django backend with REST endpoints, PostgreSQL migrations, and frontend integration across 50+ React components.
- Implemented MessageBird SMS/WhatsApp integration with webhook handlers, Celery and Redis message queueing, reducing notification costs by 25%. Optimized Docker environment reducing build time from 10 to 2 minutes.

Technologies: React.js, TypeScript, Django, PostgreSQL, Docker
<https://loft.com.mx/>

Ambit Technology

Full Stack Developer

May 2021 - November 2021 | Remote

- Enhanced ERP integration with REST APIs and message queues, improving efficiency by 25% and reducing data entry errors from 15% to 3%. Improved user satisfaction by 80% through UX enhancements and responsive dashboard.
- Developed Python automation scripts on AWS Lambda processing 10,000+ daily records, reducing batch time by 5 hours through parallel processing.
- Designed greenfield web application with React and Node.js, implementing MVP with user research, increasing retention by 15%.

Technologies: React.js, Node.js, PostgreSQL, Python, AWS Lambda
<https://ambit.com.mx/>

TECHNICAL SKILLS

Frontend: React.js, Redux, TypeScript, Material-UI, TailwindCSS, Storybook

Backend: Node.js, Express.js, Django, Python, REST APIs, WebSocket, OAuth 2.0

Databases: PostgreSQL, MongoDB, Redis, Sequelize, Multi-Tenancy

DevOps: AWS (ECS, Lambda, ElastiCache), Docker, Git, CI/CD, Jest

Integrations: Procore API, Autodesk API, Trimble API, i18next, Sentry, Amplitude

KEY METRICS

- 2nd largest contributor with 2,368 commits in 30,000+ commit enterprise codebase
- Enabled \$17K enterprise contract that expanded to \$51K (3-year renewal) through multi-tenant security architecture
- Achieved 60-85% performance improvements across multiple systems (cache optimization, API endpoints, bulk operations)

LANGUAGES

English: B2 (Professional Working Proficiency)

Spanish: Native