

Manuel Alejandro Garisto Zuna

Senior Frontend Engineer • Full-Stack Capable (Node.js, Python/Flask)

React • Next.js • TypeScript • Node.js • GraphQL • AWS

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Available for remote work in U.S. time zones

PROFILE

Senior frontend engineer with 6+ years building ADA-compliant e-commerce and ed-tech platforms for U.S. client teams, backed by production Node.js and Python/Flask experience. Raised Brilliant Earth PDP/PLP Lighthouse scores from **62 to 92**, and cut a Harvard Business School batch job from **24 hours to 1.5 minutes** with AWS Lambda and Jenkins. Owns frontend architecture, testing strategy, CI/CD pipelines, and AI-assisted legacy migrations end to end. Experienced in remote Scrum delivery, code review, and mentoring.

TECHNICAL SKILLS

Languages & core: JavaScript (ES6+), TypeScript, Python, HTML5, CSS3, SCSS, Tailwind CSS, SQL

Frontend: React (ReactJS), Next.js (NextJS — SSR, SSG, ISR, CSR), Angular, Redux, Zustand, TanStack Query, React Context, MUI, Storybook, micro-frontends, component libraries, responsive design, i18n, Contentful, Builder.io

Backend & APIs: Node.js, Express, REST APIs, GraphQL, Python/Flask, BFF (Backend-for-Frontend) pattern, OIDC authentication, JWT / RBAC, PostgreSQL, MongoDB, Redis, Sequelize, Mongoose

Testing & quality: Jest, React Testing Library, Cypress, Vitest, Mocha & Chai, TDD, unit / integration / E2E testing, code review, test-coverage gates

Cloud & DevOps: AWS (Lambda, S3, Amplify), Jenkins CI/CD, GitHub Actions, Docker, Turborepo monorepos, Vercel, Firebase, Heroku, Cloudflare, blue-green deployments, Git

Accessibility & performance: ADA / WCAG 2.1, Axe, SortSite, Lighthouse, Core Web Vitals (LCP, CLS, FCP, TTFB)

AI-assisted development: GitHub Copilot, Claude — legacy migrations, refactoring, and component scaffolding held to production coding standards

Practices: Agile / Scrum, Kanban, architecture design, mentoring, technical talks, remote delivery to U.S. teams

Certification: Node.js (Intermediate), HackerRank — 2025

PROFESSIONAL EXPERIENCE

UNOSQUARE — Digital engineering & custom software development • Remote (Buenos Aires, AR) **Mar 2022 – Present**
Software Developer — *frontend-focused delivery to U.S. client teams across the engagements below.*

- Led Nexus, an internal engineering guild of 3 developers, running code reviews and architecture reviews across React/Node/TypeScript projects.
- Delivered the technical talk "Compound Design Patterns & Next.js SSR vs CSR", and mentored developers on refactoring and coding standards.

Harvard Business School (client) • Jan 2025 – Present

Shared Platform • Corporate Learning • Quick Cases • Build Unosquare AI Delivery Pilot

- **Sole frontend engineer** on the OIDC Identity Provider login project for the Shared Platform, owning the UI end to end from initial commit through release.
- Defined the repository structure, coding standards, and branching/linting rules adopted as the frontend baseline for the shared platform.
- Built AWS Lambda functions that converted **120,000+** XML documents to HTML, removing a manual content-preparation bottleneck; an earlier Quick Cases Lambda cut job wait time from **24 hours to 1.5 minutes**.
- Developed **40+** React components as Next.js statically generated pages — accessible, responsive, and scoring **98/100** on Lighthouse.
- Migrated **20+** content models into Contentful from a legacy CMS for Quick Cases and wired the Next.js pages to the Contentful GraphQL API, cutting over through a blue-green pipeline with zero downtime; MVP delivered within 2 sprints of joining.
- Selected by Harvard to pilot "Build Unosquare", an internal AI development tool, on a production migration of courses from HMM12 Spark to HBR Spark — delivered in under **2 months**, combining AI-generated scaffolding with manual review held to Harvard's coding standards.
- Migrated legacy projects to Next.js + Turborepo monorepos like cl-error, cl-transform using GitHub Copilot and AI-assisted refactoring, shortening migration cycles.
- Built Jenkins CI/CD pipelines for build, test, and deployment to AWS S3 for Quick Cases, replacing manual release steps with repeatable automation; rebuilt components against new designs to WCAG / A11y standards and presented sprint-review demos to stakeholders.

Stack: Next.js, React, TypeScript, SCSS, Turborepo, Contentful, GraphQL, Node.js, AWS Lambda & S3, Jenkins, OIDC, i18n, Kaltura · Scrum, 3-week sprints, teams of 2–6 devs with QA, Scrum Lead, POD Lead and FE Architect

Brilliant Earth (client) · Oct 2023 – Dec 2024

Storefront · Builder — ADA-compliant e-commerce

- Migrated PDP and PLP pages and **120+** components from Django + Jinja to a Next.js 14 Turborepo monorepo, cutting template duplication by **50%**.
- Designed the project architecture and introduced a BFF (Backend-for-Frontend) layer that trimmed API calls per page from **7 to 2** and reduced LCP from **4.2s to 2.0s**.
- Improved Lighthouse scores from **62/100 to 92/100** across FCP, CLS, LCP, and TTFB.
- Built and maintained **40+** accessible, ADA-compliant Next.js server-rendered components.
- Set up AWS Amplify CI/CD that halved PR review and UX testing time (**~2h to ~1h**), and onboarded 2 developers to productivity in under 5 days.
- Instituted mandatory PR reviews and test-coverage gates; team velocity rose **20%** and post-release bugs fell **30%**.

Stack: Next.js 14, TypeScript, Turborepo, Builder.io, AWS Amplify, BFF pattern, SearchSpring, Bluecore, Attentive, Wistia, SortSite, Cloudflare, Lighthouse · Scrum, 2–3-week sprints, 3–4 devs with QA, PM, BA and Dev Manager

Aerospike (client) · Dec 2022 – Oct 2023

DBaaS UI & ACMS Console — full-stack delivery

- Built and shipped a Next.js + MUI real-time database console in under **8 weeks**; authored 120 Jest / React Testing Library unit tests, raising coverage from **35% to 85%** and cutting UI regressions by 90%.
- Designed a 20-scenario Cypress end-to-end suite running in 8 minutes per PR, keeping the escape-defect rate below **1%**.
- Delivered 2 major Angular dashboard releases in under **1 month** and 20+ Python / Flask backend updates with integration tests that raised coverage by 20%.

Stack: Next.js, React, MUI, Jest, React Testing Library, Cypress, Angular, Python, Flask

OpenTech Alliance (client) · Apr 2022 – Oct 2022

Dynamics 365 PCF controls

- Delivered **30+** custom PCF controls in **4 weeks**, extending Dynamics 365 CRM for leasing, payments, and customer-support workflows.
- Hardened controls with TypeScript strict mode and 85% Jest / RTL coverage, shipping **0** critical defects in UAT; customer service reported a 20% drop in data-entry errors.

Stack: Dynamics 365, PCF, React, TypeScript, Jest

NEARSHORECODE — Digital engineering & software consulting **Oct 2021 – Mar 2022**

Full Stack Web Developer · 2-developer Kanban teams

- Shipped a React / Node.js recruitment analytics app in under **6 weeks**, capturing ~1,000 Trello webhook events per day across 4 boards into MongoDB and cutting weekly status prep from **~3h to 10 min**, a 95% reduction.
- Built 5+ Node.js / Express microservices in under **4 weeks** and implemented JWT-based RBAC across 4 user roles.
- Automated CI/CD via GitHub Actions to Heroku, enabling blue-green releases in under **3 minutes** with 99.9% uptime.

Stack: JavaScript, React, Node.js, Express, MongoDB, Mongoose, JWT, Firebase Auth, PostgreSQL, Sequelize, GitHub Actions, Heroku

FREELANCE — Full-stack projects for multiple clients **Feb 2020 – Oct 2021**

Full Stack Web Developer · Solo developer working directly with stakeholders

- Delivered **3** green-field products end to end — a casting-agency operations dashboard, a trivia game, and an artist-venue booking portal — each from discovery to production in under **12 weeks**.
- Cut manual reporting time **~70%** for the casting agency by automating data pipelines and CRUD dashboards, and launched the trivia MVP with 99.9% uptime on Heroku.

Stack: React, Node.js, Express, PostgreSQL, Sequelize, Python, Flask, SQLAlchemy, OAuth, Heroku

EDUCATION

B.S. Systems Engineering — Universidad San Francisco Xavier de Chuquisaca (Bolivia) · 2020