

Francen Timothy N. Castro

A Fullstack Developer

✉ franztimothycastro@gmail.com 📍 Santa Rita, Minalin, Pampanga, 2019

🔗 <https://castrofullstack.vercel.app/> ☎ +639269715006

🌐 [linkedin.com/in/francen-timothy-castro-739284398](https://www.linkedin.com/in/francen-timothy-castro-739284398)

Profile

I'm a full-stack developer building practical, high-quality digital products that solve real problems. I work across the stack, using React, Next.js, or Vue.js on the frontend to create clean, responsive interfaces, and Node.js, PHP (Laravel), or Python (FastAPI, Flask) on the backend to build secure, scalable systems. I've developed a wide range of projects, including marketplaces, dashboards, eCommerce platforms, and real-time applications, always focusing on performance, reliability, and a smooth user experience. I'm comfortable working with MySQL, PostgreSQL, and MongoDB, and I use Docker, AWS, and CI/CD pipelines to make deployment fast and dependable.

Professional Experience

04/2022 – 08/2025
Houston, Texas, US

Nexxt Ideas

A Senior Frontend Developer

- Delivered responsive, pixel-perfect user interfaces from Figma designs, improving cross-device performance and visual consistency by 40%.
- Partnered with cross-functional teams to launch a scalable operations dashboard supporting 5,000+ active users and reducing task management time by 25%.
- Architected an advanced Redux state management system and modular components, cutting redundant code by 30% and improving maintainability.
- Integrated 10+ RESTful APIs to enable real-time analytics on user activity, transactions, and global metrics, accelerating data delivery by 45%.
- Enhanced front-end performance through refactoring and lazy loading, reducing average load times by 50% and improving retention by 18%.

09/2018 – 03/2022
Austin, Texas, US

Directio

A Software Developer

- Transformed an application scalability by 15% through Next.js and Redux Toolkit upgrades, ensuring smoother performance under higher traffic.
- Built and launched a blockchain-powered crowdfunding platform using Web3.js and TypeScript, onboarding 1,000+ investors and processing transactions exceeding \$500K.
- Deployed automated testing with Jest and Cypress, cutting post-release defects by 50% and boosting product reliability metrics.
- Developed a reusable library of 200+ React components, accelerating delivery time for new features by 25%.
- Orchestrated Docker-based server deployments, reducing release cycles by 35% and increasing uptime consistency.
- Integrated Django CMS to streamline content management, decreasing build times by 30%.
- Automated CI/CD pipelines to boost deployment frequency by 20% and reduce manual processes by 30%, enhancing release efficiency.

01/2016 – 12/2017
Chicago, IL 60604, USA

Ironbeam

A Fullstack Web Developer

- Spearheaded the transition of a legacy monolithic system to a microservices architecture, elevating application reliability by 45% and reducing server costs by 30%.
- Devised custom caching and load-balancing strategies using Redis and Nginx, cutting API latency from 1.8s to under 600ms during peak hours.
- Coordinated cross-functional sprints between frontend and backend teams, achieving 98% sprint completion rates and accelerating feature delivery by 25%.
- Refined CI/CD workflows with Jenkins and GitLab pipelines, improving release stability and minimizing rollback incidents by 40%.
- Championed code quality initiatives through static analysis and documentation, reducing onboarding time for new engineers by 35%

Projects

Sourcefy Marketplace

This large B2B product marketplace connects buyer and seller companies globally.

The platform includes three user roles: admin, buyers, and sellers.

As an admin, users can manage dashboards featuring transaction data, GMV, revenue, client and supplier details, product information, and financial graphs.

For buyers, the system enables project postings and proposal management, while suppliers can review projects and send proposals.

I designed several APIs for user management, transaction processing (integrated with Stripe), messaging via WebSocket, and dispute management.

The technical stack comprised React.js on the frontend, Nest.js on the backend, PostgreSQL for data storage, and Docker with GitHub Actions for CI/CD.

Sports Betting Game

This web-based platform covers online gaming, including casino games, sports betting, and live dealer experiences.

I designed and implemented a secure, high-performance system using Express.js on the backend and React.js on the frontend.

MongoDB was used for data storage, and I incorporated Material-UI and TailwindCSS for a responsive design.

Real-time updates were achieved using WebSockets and Socket.io [↗](#), and payment processing was integrated via Stripe.

The project also utilized GitHub for version control and CI/CD pipelines with GitHub Actions, and it was deployed on DigitalOcean.

Education

08/2010 – 03/2014

Williams College

Languages

English

Skills

Javascript, PHP, Python, Node.js, React.js, React Native, Flutter, Angular.js, Vue.js, Next.js, Nest.js, MySQL, PostgreSQL, CI/CD, Docker, Dynamodb, AWS Lambda, Shopify