

BERNARDO CASALS

Senior Full Stack Engineer | React | Python | Web3

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Spain



EXPERIENCE

Senior Full Stack Developer 12/2022 - Present

Online Barcelona, Spain

- Engineered a dynamic sports betting platform leveraging Next.js and Node.js, demonstrating full-stack proficiency and deployment expertise on AWS.
- Crafted a seamless e-commerce solution on Shopify, focusing on user engagement and secure payment gateway integration.
- Optimized backend processes, resulting in a cost reduction of 30% on hosting services.
- Designed and developed 50 complex full-stack features within a global SaaS platform.
- Boosted application security by reducing vulnerabilities by 75% by implementing multi-layer security measures.
- Increased user engagement by 40% by enhancing the UI/UX experience using React and CSS.

Senior Full Stack Engineer 09/2020 - 12/2022

Katalyst Technologies Inc Evanston, Illinois, United States

- Spearheaded high-performance web application development using NextJS and Tailwind-CSS for scalable and maintainable solutions.
- Fostered robust system integration through close collaboration with back-end teams, enhancing seamless front-end to back-end communication.
- Led a team to achieve a 30% reduction in website load time, contributing to a \$500K surge in annual revenue.
- Managed over 50 high-quality software releases across diverse projects, leveraging agile methodologies for optimal delivery.
- Designed and developed 2 decentralized applications utilizing React, Hardhat, and Polygon/Solidity, showcasing expertise in blockchain technology.
- Led NextJS/Tailwind-CSS web app projects
- Boosted system integration with back-end teams
- Cut load time by 30%, upped revenue by \$500K
- Managed 50+ software releases via agile methods

Full Stack Developer 06/2018 - 06/2020

At Upwork New York, United States

- Enhanced a Chrome extension with additional functionality using React and JavaScript, promoting healthier screen time for users.
- Implemented a new eCommerce platform, increasing customer transactions by 40% and boosting annual sales volume by \$2M.
- Oversaw a \$10M project budget for a large-scale digital transformation initiative, encompassing multiple software development teams.
- Achieved a 95% customer satisfaction rate by enhancing app accessibility features, by implementing industry best practices.
- Increased testing coverage by 70% using Cypress and Jest.
- Introduced automated testing procedures that decreased bug rates by 80% by adopting Continuous Integration and Deployment strategies.

SUMMARY

Developed high-performance web applications using NextJS and Tailwind CSS, increased customer transactions by 40%, and reduced website load time by 30% resulting in \$500K increased revenue. I specialize in NextJS and Tailwind CSS, delivering high-performance and scalable solutions. I have a proven track record in blockchain development, creating secure and efficient decentralized applications. I am passionate about leveraging modern technologies to solve complex problems and enhance user experiences.

LANGUAGES

English Proficient ●●●●●
Spanish Intermediate ●●●●●

SKILLS

HTML · CSS · JS · PHP · React · Vue · Angular · Typescript · NextJS · NestJS · Python · Shopify · NodeJs · ExpressJS · Git · MongoDB · MySQL · AWS · PostgreSQL · Web3 · Smart Contracts · Solidity · Solana · Ether.js · Hardhat · Docker

EDUCATION

Associate's Degree in Computer Science

Pompeu Fabra University.
07/2013 - 03/2015 Spain
• Carrer de la Mercè, 12, Ciutat Vella, 08002
• Barcelona

Bachelor's Degree in Computer Science

Saint Mary's University
07/2015 - 11/2017 United States
• San Antonio
• Texas State University

EXPERIENCE

Frontend Developer

06/2017 - 06/2018

[OnlineMeetup](#)

Milan ,Italy

- Led the UI/UX development for a Shopify project, collaborating with the product owner, marketing team, and designer to clarify requirements.
- Developed the company website based on Figma designs using Liquid on both online and offline editors.
- Optimized website performance and improved Shopify SEO.
- Managed over 50 front-end projects, with budgets totaling upwards of \$500,000.
- Achieved a record-low bounce rate of 20% by revamping user interface designs.
- Elevated site performance score to 95 on Google Lighthouse by optimizing web assets and code.
- Oversaw the development of 10+ high-traffic eCommerce websites, handling over 100,000 monthly visitors.
- Implemented A/B testing strategies, resulting in a 15% increase in conversion rates.
- Enhanced user experience, resulting in a 30% increase in time spent on site.