

Jeremy Josué Bacca Barquero

Senior Software Engineer | Full Stack JavaScript Developer

React • Next.js • TypeScript • Angular • Software Architecture • PWAs • Design Systems

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PROFESSIONAL SUMMARY

Senior Full Stack Software Engineer with 7+ years of experience designing, developing and leading enterprise web applications using React, Next.js, TypeScript, Node.js, Express and MongoDB.

Experienced building scalable frontend architectures, RESTful APIs, authentication systems, reusable component libraries, Progressive Web Applications (PWAs), cloud deployments and modern CI/CD pipelines.

Strong background in frontend leadership, backend API development, database design, performance optimization, accessibility, SEO, responsive design and software architecture.

Proven ability to collaborate with cross-functional teams while delivering high-quality software in Agile environments.

Passionate about clean architecture, scalable applications and creating products that provide exceptional user experiences.

WORK EXPERIENCE

Pet QR Identification Platform (Freelance)

Nov.2025 – Current

Full Stack developer

San José, CR

- Designed and developed a full stack platform allowing pet owners to create digital pet profiles accessible through QR codes. Improved lighthouse score, bundle size and SEO optimization. Implement multilingual applications supporting international users.
- Implement Progressive Web Application (PWA).
- Developed RESTful APIs using Node.js, Express.js and TypeScript for user, pet, membership and QR code management.
- Deployed and maintained production services using Fly.io, Vercel and cloud-based infrastructure.
- Built QR code generation, image upload and media management workflows using QRCode, Multer and Cloudinary.
- Implemented authentication workflows including registration, login, password recovery, email verification and two-factor authentication.

Moonhi

Apr. 2024 – Oct 2025

Frontend Technical Lead / Software Developer Engineer Frontend Technical Lead / Software Developer Engineer *San José, CR*

- Lead development of enterprise web applications using React, Next.js and TypeScript, reducing feature delivery time by **35%** through reusable architecture and shared component libraries.
- Optimize application performance using lazy loading, memoization, image optimization and modern React patterns.
- Collaborate with Product Managers, UX/UI Designers and Backend Engineers to transform business requirements into scalable software solutions.
- Built frontend wallet interfaces Supported multiple payment methods including fiat and cryptocurrency wallets, payment methods, secure workflows and REST API integrations.

Jazz Gaming Services

Sept 2022 – Feb 2024

Frontend Technical Lead / Web Developer

San José, CR

- Developed enterprise web applications using **Angular and TypeScript**.
- Developed scalable casino platform interfaces supporting authentication, multilingual experiences, game providers, wallet management and responsive layouts.
- Contributed to scalable frontend architecture and maintainable codebases.

La Creativería

Web Developer / React Native Developer

Dec 2021 – Aug 2022

San José, CR

- Identified development bottlenecks and improved application performance by **up to 45%**.
- Built responsive web and mobile interfaces in collaboration with **UX/UI designers**.
- Contributed to mobile development using **React Native**.

Golden CR

Angular Developer

Aug 2018 – Aug 2021

San José, CR

- Developed and maintained enterprise web applications using **Angular**.
- Migrated legacy systems to modern **Angular versions**, improving maintainability.
- Built reusable UI components using **Angular Material**.

EDUCATION & CERTIFICATIONS

Cenfotec University *Superior Web Developer Technician*

Dec, 2015

Udemy Certification *Scrum methodologies*

July, 2022

TECHNICAL SKILLS

Frontend

React, Next.js, React Native, Angular, AngularJS, JavaScript (ES6+), TypeScript, HTML5, CSS3, SCSS

Backend

Node.js, Express.js, Nodemailer, Cron Jobs, Email Services, Push Notifications TypeScript, REST APIs, JWT Authentication, Passport.js, bcrypt, Middleware Development File Upload Management.

Architecture & Performance

Component-Based Architecture, Design Systems, Web Performance Optimization, Responsive Design, Accessibility (a11y)

Database Cloud & DevOps

MongoDB, Mongoose, MySQL, Firebase, Google Cloud, Vercel, Fly.io, Azure DevOps, CI/CD

Tools

Git, GitHub, Jira, Confluence, Figma, Agile, Slack, Microsoft Teams, npm, pnpm, vite, jest,

REFERENCES

Alfredo Recinos Brizuela

UI/UX Developer

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Juan Prendas

Full Stack Engineer

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