

JUAN CARLOS VALERIO BARRETO

Software Lead Engineer

México City, (Central Standard Time)

(+521) 5551079372

jc.valerio.b@gmail.com

<https://www.linkedin.com/in/jcvaleriob/>

<https://valeriobarreto.com>

As Technical Lead, I spearheaded the migration of the Bancanet platform from Angular version 10 to 17, significantly enhancing development efficiency and product quality by leveraging new features and performance improvements of Angular 17. Key achievements include a 30% improvement in build and deployment times, a 25% increase in the rate of introducing new features, and a robust documentation framework that reduced the learning curve for new team members and improved overall project knowledge management.

Developed a Server Log Dashboard Management MVP for Arca Continental with Angular, Node.js, and SQL, providing real-time server status visuals. At Research Solutions, I designed web apps for scientists using Angular, Node.js, Python, GCP, and Firebase, streamlining scientific workflows and crafting essential tools like the COVID-19 Research Viewer Gadget during the pandemic's peak.

Future Aspirations & Unique Offerings:

Eager to tackle challenges requiring cutting-edge solutions and creativity in my next role. As a certified yoga instructor, I bring balance and unique problem-solving methods to my teams. Registered with the Mexican Tax Authorities (SAT) and holding a valid U.S. visa, I'm ready for freelance projects and global partnerships.

EXPERIENCE

Citibanamex, Technical Lead – Dec 2023 - Actual

- Before the migration, the Bancanet platform operated on Angular version 10, limiting our development team's access to the latest features and resulting in reduced performance and efficiency. As the Technical Lead, I spearheaded the transition to Angular version 17, a move aimed at not just updating the framework but fully capitalizing on its new features and performance enhancements to boost development efficiency and elevate product quality. This comprehensive effort involved a detailed analysis to weigh the benefits and anticipate any challenges of the upgrade, leading the migration strategy with minimal impact on ongoing projects, and fostering team adaptation to Angular 17's advancements like better type checking, quicker build times, and more effective change detection methods. I also established a thorough documentation protocol to detail the migration process, key learnings, and tips for maximizing the use of Angular 17.
- This migration yielded significant improvements: build and deployment times were reduced by 30%, and the development team was able to roll out new features and fixes 25% faster, enhancing our workflow. Moreover, the transition to Angular 17 facilitated a smoother, more collaborative working environment, evidenced by a 50% decrease in merge conflicts and development bottlenecks. We also developed a comprehensive documentation system, which has greatly diminished the learning curve for newcomers and fortified our project knowledge management, ensuring that the Bancanet platform's upgrade has not only optimized our current operations but also laid a solid foundation for future enhancements and innovations.

Freelance, Software Engineer – Jun 2023 - Nov 2023

- During my tenure as a Freelance Software Engineer, I've meticulously harnessed Next.js for server-side rendering, enhancing page load times and SEO. This, combined with React, has empowered me to craft dynamic, user-responsive interfaces. My application designs, enriched by TailwindCSS and Bootstrap, guarantee cross-device compatibility. Embracing AstroJS further amplifies site efficiency, while deploying via Vercel and Cloudflare ensures both robust security and optimal global reach. The synergy of these techniques consistently garners my projects a 95+ Lighthouse score, underlining the superior performance and quality I bring. This meticulous blend of technology and dedication has anchored a flawless 100% client satisfaction rate in my freelance career.

JUAN CARLOS VALERIO BARRETO

Software Lead Engineer

México City, (Central Standard Time)

(+521) 5551079372

jc.valerio.b@gmail.com

<https://www.linkedin.com/in/jcvaleriob/>

<https://valeriobarreto.com>

Softtek, Software Engineer – January 2023 - May 2023

- During my tenure at Softtek, I achieved significant milestones in the development of the SQL Diagnostic Manager. By leveraging Angular for its dynamic UI capabilities and NodeJS for a scalable back-end, I played an instrumental role in creating a powerful platform. I implemented Highcharts to provide intricate visualization, which effectively showcased data from up to 200 database instances. This enhancement greatly bolstered the decision-making process, allowing teams to derive insights more efficiently. In essence, I achieved enhanced database visualization through the integration of Angular, NodeJS, and Highcharts, resulting in more informed decision-making for our users.

Research Solutions, Full-Stack Developer – January 2017 - January 2023

- I spearheaded the development of 30% of the platform's gadgets (Angular apps), leading to a substantial 70% optimization of workflows for clients and scientists.
- I engineered a backend using Python and Node.js, achieving up to 50% enhancement in processing efficiency for our suite of gadgets.
- Likewise, I was responsible for creating the primary interface for a pivotal gadget, which presented a comprehensive daily and monthly summary of Covid-19 articles. This development unlocked access to over 80% of the articles available in NCBI.
- I spearheaded the development of an Office add-in for Outlook using React, facilitating seamless access to reference lists within users' Article Galaxy accounts. This integration was designed to boost the sale and rental of items on the Article Galaxy platform.

NA-AT Technologies, Software Engineer – September 2021 - August 2022

- At NAAT Technologies, I pioneered the iBoarding module for HSBC's Commercial Banking (FAD) using Angular, Jenkins, Sonar Cloud, SonarLint, and Angular Material Design. This innovation led to a remarkable 50% reduction in time for signing and managing business loan applications.

Freelancer, Web Developer – March 2015 - December 2016

- Through leveraging JavaScript, CSS, and HTML, I effectively reduced the development time and cost of native applications by up to 50%. This efficiency was demonstrated across several projects, including apps for prominent banks such as Banorte, MetLife, and Banregio.

Vexilo, Web Developer – November 2013 - March 2015

- Leveraging Google's best practices and W3C standards, I successfully optimized over ten websites and e-commerce platforms, achieving top-ranking positions in organic search results within a span of fewer than three months.

SKILLS

Programming Languages: JavaScript, CSS, HTML, Python, Node.js, TypeScript.

Frameworks Tools: Angular, ReactJS, Vue.js, Next.js, Nuxt.JS, Tailwind, Bootstrap, Bulma, Redux, Firebase, GCP, AWS, TypeScript, Selenium, Jest, Cypress, Sonar Cloud, Sonar Lint, GraphQL.

Data Base: MySQL, MongoDB, SQL.

Tools: Git, Jira, Confluence, Bitbucket, Figma, Command Line, Adobe Illustrator, Photoshop, SourceTree, Monday, Linux Servers.

Agile: Scrum, Kanban.

Languages: Intermediate English Level, Spanish native.

EDUCATION

Universidad Bancaria de México – Mexico, State of México., Computer System Engineering, May 2013

CERTIFICATIONS

Project management fundamentals – Coursera. 2022.