Ernesto J Ballon

Full Stack JavaScript Engineer | **React.js** Specialist
with experience in **Java, Python and Go**

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Portfolio - https://www.ernestojballon.com

Professional Summary

Experienced **Full Stack JavaScript Engineer** with a strong focus on **React** and modern web technologies. Specializes in building scalable, responsive, and user-centric applications using cutting-edge frontend frameworks and backend technologies. Proven track record of delivering high-quality solutions in Agile environments, with expertise in microservices architecture and cloud technologies.

Technical Skills

- **Frontend: React**, Redux, Angular, Vue.js, TypeScript, HTML5, CSS3, Sass, Tailwind CSS
- **Backend:** Node.js, Express.js, GraphQL, RESTful APIs
- **State Management:** Redux, Zustand, React Query, NgRx
- **Testing:** Jest, React Testing Library, Cypress, TestDoubles, Sinon
- **Build Tools:** Webpack, Babel, npm, Yarn
- **UI/UX:** Responsive Design, Storybook, Figma
- **DevOps:** Docker, Kubernetes, AWS, Jenkins, Git, CI/CD
- **Databases:** MongoDB, PostgreSQL, MySQL
- **Other:** Microservices, Agile/Scrum, WebSockets, Server-Side Rendering

Professional Experience

Lead Software Engineer at Comcast (via Accenture)

July 2022 - Present

- Architected and developed React frontends using Backend-for-Frontend (BFF) pattern with Node.js
- Implemented advanced state management using Zustand and efficient data fetching with React Query
- Utilized Tailwind CSS for responsive and maintainable styling
- Set up and optimized CI/CD pipelines using GitHub Actions and Concourse

- Mentored junior and senior developers in React best practices and modern JavaScript patterns
- Collaborated with Product Owners to translate business requirements into technical solutions
- Led the adoption of microfrontends architecture to improve scalability and team autonomy

Senior Software Engineer at ROSS stores (via Accenture)

January 2022 - July 2022

- Developed microfrontends using Angular with single-spa framework for a large-scale retail application
- Implemented Storybook for component-driven development and UI consistency across teams
- Created a shared state module using NgRx for seamless data flow between microfrontends
- Conducted comprehensive testing using Cypress with Cucumber, adhering to Domain-Driven Design principles
- Optimized Jenkins pipelines for efficient CI/CD processes, improving deployment frequency

Software Engineer at ADP

January 2020 - June 2021

- Built complex React components and integrated them with ADP's design system
- Developed and maintained reusable React hooks for common functionalities
- Implemented UI validation tests using Cypress, ensuring robust and user-friendly interfaces
- Created Node.js REST APIs with Express for efficient data management with MongoDB
- Practiced Test-Driven Development using Jest and React Testing Library
- Contributed to the migration of legacy applications to modern React architecture

Software Engineer at Accenture (Centene Corp Project)

August 2019 - December 2019

- Developed a real-time data processing pipeline using Apache Kafka and Node.js
- Built efficient RESTful APIs using Node.js and Express to serve data to frontend applications
- Implemented responsive interfaces for care managers using Angular and Angular Material
- Containerized applications using Docker and orchestrated deployments with Kubernetes

- Gained hands-on experience with cloud technologies and microservices architecture

Education and Certifications

- Bachelor's degree in Computer Science, Universidad Alas Peruanas (2010 - 2014)
- AWS Certified Cloud Practitioner (2023 - 2026)
- Oracle OCA Certification, Universidad San Pablo (2015)
- Full Stack JavaScript Bootcamp, William Paterson University (2018)

Additional Information

- Passionate about web accessibility (WCAG) and creating inclusive user experiences
- Active contributor to open-source React projects and community forums
- Experienced in optimizing frontend performance and implementing efficient state management solutions
- Strong advocate for code quality, conducting regular code reviews and promoting best practices