



RP

RHAYNEL (RHAY) PARRA

SOFTWARE DEVELOPER AND ARCHITECT

WHO AM I?

Software Engineer by profession and passion, with over ten years of experience developing and deploying apps and APIs. Industry experience includes video streaming, healthcare, e-commerce, and cloud adoption. Currently, I'm working from Uruguay for US Companies.

SKILLS

Programming Language

JavaScript, TypeScript, Go, PHP, Java, Python

JS Frameworks

Node.js, Express.js, Fastify, Nest.js, Next.js, Angular, React

RELEVANT EXPERIENCE

SOFTWARE DEVELOPER AND ARCHITECT (SELF-EMPLOYED) • LOXBEN APPS • 08-2020 – PRESENT

As the solo founder of Loxben Apps SAS, from time to time, I have engaged in different projects across various small and mid-size clients. Some of the remarks of this work:

- **Aurelius Lab Project**: As an early-stage start-up, I worked closely with the CTO to deliver the first versions of Aurelius' app and help researchers to get insights from the collected data.
- **Naviance Project**: Engaged in the modernization process of the Hobsons' products before PowerSchool acquired them. Specifically, a Staff Application to provide settings for the K12 suite.
- Made use of different technologies like Node.js, Firebase, Next.js, OpenAPI 3.0, React, AWS services, PHP, Go, Communication, Problem-Solving, Critical Thinking, Leadership, and Teamwork, to name a few.

SENIOR SOFTWARE ENGINEER (CONTRACTOR) • FLUXON • 02-2022 – 02-2023

As part of the engineering team, I worked on different projects across various agile teams. Some remarks:

- **Rinse Dental Project**: Helped to launch, on time, the iOS app backed by a serverless architecture. As the lead developer in charge of the



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Database

MongoDB, MySQL, Redis,
PostgreSQL, OracleDB

Others

Agile Software Development,
Software Architecture, Clean
Code, Docker, Kubernetes,
Azure, AWS, GCP

backend architecture, I drive the design and implementation of the solution. Likewise, I helped with the React native app development.

- **The Pill Club Project**: Worked as staff augmentation Data Engineer helping to optimize the automated process to get data into the company's data lake.
- **Fluxon's Internal Projects**: Worked on internal projects focusing on the automation and optimization of the company's operations.
- Made use of different technologies like Node.js, Firebase, Next.js, OpenAPI 3.0, GCP services, React, Go, AWS services, Python, Communication, Problem-Solving, Critical Thinking, Leadership, and Teamwork, to name a few.

SOFTWARE ARCHITECT (CONTRACTOR) • CLIENGO • 02-2021 – 02-2022

I started as Tech Lead for the Conversational Squad, being responsible for the technical decisions, working side by side with the Product Manager and Product Designer, and helping the development team use the right tech to tackle the problem at hand way. In the last part of my tenure on Cliengo, I played the role of Solutions Architect, working with the CTO and fellows Architects to help Cliengo to move forward and be ready for the challenges to come; as part of my work, we were able to:

- Clearly define software development processes applying solid and well-known agile software development principles and practices, with a special focus on the CI/CD processes,



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- Release the new Live Chat app, providing performance improvements while adding value to our customers and their customers,
- Use different technologies like Node.js, MongoDB Atlas, Express.js, OpenAPI 2.0, Heroku, Docker, Kubernetes, AWS, React, Go, Communication, Problem-Solving, Critical Thinking, Leadership, and Teamwork, to rapidly deliver the software solution required by clients.

TECH LEAD • TATA CONSULTANCY SERVICES • 06-2019 – 02-2021

As Technical Lead, I worked on different ongoing projects across three agile teams. Total of 10 developers under my guidance. Some of the milestones:

- Improved agile team delivery effectiveness across projects by around 25% by applying agile methodologies, Pair Programming, and TDD, to name a few.
- Helped the software architects and clients' technical leaders to achieve the best solution possible to accomplish clients' goals by analyzing and making significant architectural decisions,
- Improved end-users capacity to respond to daily basis tasks, up to 50% in some cases, while reducing operating costs by 10% through a combination of automation and process optimization,
- Made use of technologies like Node.js, MongoDB Atlas, Express.js, OpenAPI 2.0, Kubernetes on Azure and GCP cloud, Angular, Go, Communication, Problem-Solving, Critical Thinking, Leadership, and



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Teamwork, to name a few that allow us fast delivery of the software solution required by clients.

SENIOR NODE.JS LEAD ENGINEER • TELECOM ARGENTINA • 08-2018 – 06-2019

As a lead engineer in the Flow Factory, I was in charge of implementing a microservice architecture along with my fellow developers, having delivered phase one with the following accomplishments:

- Reduction of development time for web clients, mobile (Android, iOS) apps, STB apps, and Smart TV apps by nearly 30% as a result of a new set of comprehensive API solutions adapted to each platform's unique requirement using the "backends for frontends" pattern,
- Helped the company to be more involved in the local tech community (i.e., participating in the 2018 edition of the NodeConf Argentina), improving brand recognition among the member of the tech community,
- Improved overall performance and resource consumption, this was critical for the company since the software is running on limited on-premise bare metal servers where using resources effectively is vital,
- Made use of technologies like Node.js, Fastify, OpenAPI 2.0, Redis, PHP, Bash, Go, Communication, Problem-Solving, Critical Thinking, Leadership, and Teamwork, to name a few.



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SENIOR SOFTWARE ENGINEER (CONTRACTOR) • WELLBIN.CO • 09-2017 – 08-2018

As a Senior Developer, my responsibility was the modernization of the technological stack. As a result:

- Reduction of development time by 50% due to the lowering of technical debt in the codebase and the implementation of agile practices like CI/CD backed by automated tests that allowed the team to go faster, reducing the feedback loop and increasing the confidence of the development team,
- Improve end-user experience by introducing two key factor technologies. PWA allowed for gaining performance and reliability. And a new implementation of the medical image studies (i.e., Rx) viewer that supports mobile usage,
- Made use of technologies like Node.js, Express.js, OpenAPI 2.0, Redis, MongoDB, Bash, Angular, AWS S3, Amazon Beanstalk, and Java, Communication, Problem-Solving, Critical Thinking, Leadership, and Teamwork, to name a few that allow us fast delivery of the software solution required by clients.

WEB UI DEVELOPER (CONTRACTOR) • GLOBANT • 11-2016 – 09-2017

While working at Globant, I worked on-site for two clients, the Argentinian newspaper Pagina12 and JPMorgan Chase bank. Some of the work done includes:



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- Redesigned the entire website of the newspaper Página12, optimizing its response time by 10% and reducing the request to the server by 20% using caching and CDN,
- A decrease in the bounce rate by 30% as a result of creating a frontpage management app that allows high customization in the way the content is displayed, making it more engaging,
- Update of many applications used for JPMorgan Chase bank traders to make them comply with Americans with Disabilities Act (ADA) Standards for Accessible Design,
- Made use of technologies like Java, Node.js, Angular, react.js, Communication, Problem-Solving, Critical Thinking, Leadership, and Teamwork, to name a few.

SENIOR FRONT-END DEVELOPER (CONTRACTOR) • DLA • 03-2016 – 11-2016

As a Senior Front-end Developer, I was in charge of developing two different solutions during my time in the company, as a consequence:

- HTTP requests from the front-end of Clarovideo to the back-end services were reduced by more than 20%, improving the end-user experience dramatically,
- Worked together with back-end developer to produce from scratch a content management system (CMS), used during the Olympic Games



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Rio 2016 to ingest into the platform all the content generated from its sports competitions,

- Together with Mexico's development team to create an MVP web client using React, Node.js, and microservices architecture to achieve overall performance improvement and unify the development processes giving agility to the team.

SENIOR SOFTWARE ENGINEER (CONTRACTOR) • PREVALER C.A. • 07-2014 – 02-2016

I was part of the newly created internal software factory that provided software solutions to the eleven locations across the country the company had at that time. Some of the accomplishments during my time in the company were:

- Improvement in the daily operations of the company, in particular, the areas of inventory and taxes by 25% while implementing the new platform based on web technologies,
- ADempiere ERP's customization, standardizing the system to comply with that year's tax regulation changes by the government and the tax collection agency, doing that before the deadline imposed by the Nacional government,
- Improved patient satisfaction rate by 40% by developing an application for Touch Screens to take turns for the services offered by the Medical Center,
- Made use of technologies like Java, C#, Angular.js, and Linux sysadmin skills, to name a few.



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SOFTWARE ENGINEER • FONAX • 03-2012 – 07-2014

My main contribution to the team when I joined the company was the implementation of some of the concepts of modern development and agile practices as a determining factor to the success of the project, but also:

- Improved overall user experience while removing development complexity, creating a web app that allows unifying all the services offered by the company,
- Remove friction for new customers while optimizing support team daily work by giving the user the possibility to configure the services without the direct intervention of the Fonax engineers,
- Create a virtual assistant to be part of the suite of applications offered to company clients,
- Made use of technologies like PHP, Node.js, Angular.js, and agile practices like CI/CD and TDD, to name a few.

EDUCATION

DEGREE IN INFORMATION TECHNOLOGY • 2010 • 2014

University Institute of Technology Juan Pablo Pérez Alfonso - Venezuela



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INDUSTRIAL ENGINEERING • 2008 • 2013

University of Carabobo - Venezuela

CERTIFICATIONS

AWS Certified Solutions Architect – Associate

Amazon Web Services (AWS)

MongoDB for Node.js Developers

MongoDB University

Server-side Development with NodeJS

Department of Computer Science and Engineering, The Hong Kong University of Science and Technology

Front-End JavaScript Frameworks: AngularJS

Department of Computer Science and Engineering, The Hong Kong University of Science and Technology

Multiplatform Mobile App Development with Web Technologies

Department of Computer Science and Engineering, The Hong Kong University of Science and Technology



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