



RP

# RHAYNEL PARRA AGUIAR

TECHNICAL LEAD SOFTWARE ENGINEER

## WHO I AM?

Software Engineer with over 8 years of experience currently working from Uruguay for US Companies. Always in learning mode On.

## SKILLS

### Programming Language

JavaScript, TypeScript, Go, Java, Python, C++

### JS Frameworks

Node.js, Express.js, Fastify, Angular, React, Nestjs

### Database

MySQL, MS SQL Server, MongoDB, PostgreSQL, GraphQL

### Others

Agile frameworks, Software Architecture, Clean Code, Azure, AWS.

## RECENT EXPERIENCE

### TECHNICAL LEAD SOFTWARE ENGINEER • TATA CONSULTANCY SERVICES • 06-2019 - PRESENT

My current role is Technical Lead, working on different ongoing projects as part of three different agile teams. Total of 26 developers and testers under my guidance. As a consequence of my work so far:

- Improved agile team delivery effectiveness across projects in around 25% by applying agile methodologies that best suit each team's needs,
- Designed software architecture along with software architect and client's technical leaders to achieve the best solution possible to accomplish the client goals,
- Improved end user's ability to respond at daily basis tasks, up to 50% in some cases, while reducing operating costs by 10%,
- Usage of technologies like Node.js, MongoDB Atlas, Express.js, OpenAPI 2.0, Kubernetes on Azure and GCP cloud, Angular, Go among others that allow to rapidly deliver 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 team, having delivered phase one with the following accomplishments:

- Development time reduction on developing web client, mobile (Android, iOS) apps, STB app, and Smart TV apps, by nearly 30% as a result of giving comprehensive API solutions adapted to each platform unique requirement using "backends for frontends" pattern,



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- Helped the company to be more involved in tech community events (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, especially important for the company since the software is running on-premise bare metal servers which make critically important use resources effectively,
- Usage of technologies like Node.js, Fastify, OpenAPI 2.0, Redis, PHP, Bash, and Go, among others.

## **SENIOR SOFTWARE ENGINEER • WELLBIN.CO • 09-2017 – 08-2018**

As the newest member of the team at that time, my main goal was the modernization of the technological stack. As a result:

- Development time reduced by 50% due to the elimination of technical debt in the codebase and implementing a robust suite of tests that allow the team to go faster without the fear to make changes,
- Improve end-user experience by introducing two key factor technologies. PWA that allows gain performance and liability. And a new implementation of the medical image studies (i.e., Rx) viewer that supports mobile usage,
- Usage of technologies like Node.js, Express.js, OpenAPI 2.0, Redis, MongoDB, Bash, Angular, and AWS S3, Beanstalk, among others.

## **MENTOR • BUENOS AIRES CITY GOVERNMENT • 06-2017 – 01-2018 (CONTRACTOR)**

"Codo a Codo" is a program created by the Buenos Aires City government to train in the arts of programming and thus join the jobs of the future. As a mentor, I



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had the opportunity to teach people from different backgrounds, in programming and database, using Java as a programming language among other technologies.

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

While I was working at Globant, I work on-site for two different clients, Argentinian newspaper Pagina12 and JPMorgan Chase bank, resolving these problems:

- Redesign of the entire website of the newspaper Pagina12, optimizing its response time in 10% and reducing the request to the server by 20%,
- 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,
- Usage of technologies like Java, Node.js, Angular y React, among others.

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

As 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 frontend of Clarovideo to the back-end services 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 Rio



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

- Worked along 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 • PREVALER C.A. • 07-2014 – 02-2016**

I was part of the newly created software factory. To provide software solutions to the more than 10 different locations across the country the company had at that time, some of the accomplishment 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 tax regulation changes by the government and the tax collection agency, doing that before the deadline imposed by Nacional government,
- improve patient satisfaction rate by 100% developing an application for Touch Screens to take turns for the services offered by the Medical Center,
- Usage of technologies like Java, C# and, Angular.js, Linux sysadmin skills, among others.



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

The most important contribution to the team when I join to the company was the implementation of some of the concepts of modern development and agile practices as an important factor to determine the success of any 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 costumers 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,
- Usage of technologies like PHP, Node.js, Angular.js, and agile practices, among others.

## **EDUCATION**

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### **ASSOCIATE'S DEGREE IN COMPUTER PROGRAMMING • 2010 • 2014**

*University Institute of Technology Juan Pablo Pérez Alfonzo*  
Venezuela

### **INDUSTRIAL ENGINEERING • 2008 • 2013 (UNFINISHED)**

*University of Carabobo*  
Venezuela



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## CERTIFICATIONS

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### **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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