



# REYNALDO ARIEL DUARTE

## SOFTWARE DEVELOPER

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### PROFILE

Software Engineer with 16+ years of experience in software development, including 5+ years building compliance-driven financial systems within a U.S.-regulated fintech (broker-dealer and ATS) in private capital markets.

Experienced across the full software development lifecycle — from QA to Full-Stack Development — with strong expertise in system architecture, regulated environments, and Agile delivery.

Currently expanding into Web3 engineering, specializing in asset tokenization within the EVM ecosystem and leveraging modern on-chain tooling to build secure and scalable decentralized applications. Advocate of AI-powered development workflows to accelerate innovation and engineering efficiency.

### MAIN TOOLS & TECHNOLOGIES

**Frontend** — React, Next.js, Heroui, SWR, Zustand, Redux Toolkit, React Hook Form, Angular, PrimeNg, NgRx/Store, NgRx/Effects, Lodash, TailwindCSS, **Backend** — Node.js, NestJS, Java, Spring Framework, **CI/CD** — Git, Github Actions, Docker, AWS Elastic Bean Stalk, **Testing** — Cypress, Vitest, Jest, React Testing Library, **Web3 (EVM Ecosystem)** — Solidity, Hardhat2, Foundry, Wagmi, Viem, RainbowKit, **AI-Augmented Engineering (LLM-powered Tools & Agents)** — Antigravity, Codex, GitHub Copilot, Cursor, Google Stitch, v0, Gemini, Claude and ChatGPT.

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### CAREER SUMMARY

#### **Full Stack Developer, ITDatabase, Inc.**

*TechNews, Freelance to present*

For this client, I work on frontend and backend development, software architecture, testing, and deployment processes as a freelance software developer contracted by ITDatabase since 2015 through Fathomage Software, founded by Travis Carlson. My responsibilities included:

- Designed, architected, and developed the modernization of the administrator and customer applications using Angular, NgRx/Store, and PrimeNG.
- Developed the public news platform application using Next.js, Axios, SWR, Zustand, HeroUI, and TailwindCSS.
- Created a microservice for user authentication and authorization using Spring Security.
- Implemented social media login integration using Auth0.
- Developed unit tests using Vitest and React Testing Library.

- Designed and integrated a testing framework for E2E and API testing using Cypress and Cypress Cloud within the CI pipeline.
- Developed and maintained unit and end-to-end (E2E) tests.
- Collaborated on the development of API endpoints using Spring Boot.
- Conducted code reviews across the team.
- Collaborated on the client's website development using Astro.
- Technologies:
  - *Spring Boot, Spring Security.*
  - *React, Next.js, Auth.js, Zustand, SWR, React Hook Form, Axios, HeroUI, and TailwindCSS.*
  - *Angular, NgRx/Store, NgRx/Effects, Auth0, PrimeNG.*
  - *Cypress, Vitest, React Testing Library.*
  - *CircleCI, GitHub, Docker, AWS Elastic Beanstalk.*

### **Full Stack Web-Developer, KopiusTech, Inc.**

*Rialto Markets, January 2021 to December 2025*

Rialto Markets is a company that aims to empower companies to raise money through our unrivaled expertise in crowdfunding and institutional investment. Rialto offers its primary and secondary services as a licensed broker-dealer.

For this client, I worked primarily on frontend development. My responsibilities included:

- Designed and architected Angular and Next.js applications from scratch.
- Supported the client's legacy Angular applications.
- Migrated functionality from the legacy Angular app to the new platform using a micro-frontend architecture to enable communication between both applications.
- Integrated component libraries.
- Implemented responsive UI templates.
- Built reusable UI components.
- Established a testing strategy for component tests and end-to-end (E2E) tests.
- Conducted code reviews across the team.
- Led technical interviews and onboarded new frontend team members.
- Dockerized web applications to streamline production deployments.
- Deployed a Next.js application to AWS Elastic Beanstalk using Docker and GitHub Actions.
- Implemented Rialto's investment product on client websites built with WordPress.
- Technologies:
  - *React, Next.js and TypeScript, Auth.js, Context API, Zustand, SWR, React Hook Form, Axios, NextUI and TailwindCSS.*
  - *Angular, NgRx/Store, NgRx/Effects, Stripe, PrimeNg.*
  - *Cypress, Jest, React, React Testing Library.*
  - *CircleCI, Github Actions, Docker, AWS Elastic Beanstalk.*

### **Full Stack Web-Developer, TradeHelm, Inc.**

*Cision, August 2014 to January 2021*

Cision is a public relations and communications management platform that enables companies to manage communication campaigns, media relations, and digital marketing initiatives.

This was my longest engagement, and it gave me the opportunity to collaborate across multiple teams, technologies, and projects. My primary responsibilities included developing RESTful APIs in Java using the Spring ecosystem and building web applications from scratch with React and Angular.

- **CODEX** Project, *Mar.2018 – January 2021*
  - On CODEX (Cision One Data EXperience) built a React web application from scratch as part of a next-generation research and editorial tooling suite; delivered new features and collaborated with QA to implement a Cypress E2E automation framework.
  - Technologies:
    - React with JavaScript, React Hooks, React Redux, Lodash/fp, React Hook Form, Yup, React Query, Reactrap, Jest.
    - Git, Bitbucket, Bamboo.
- **DiET** Project, *Jul.2016 – Mar.2018*
  - On DiET (Data Ingest and Enrichment Team) I developed and maintained data ingestion and enrichment products. I contributed to both the frontend and backend, building services and pipelines using big data-related technologies.
  - Technologies:
    - Angular 8, Ng-Bootstrap.
    - Java, Maven, Spring Boot, Spring Security, Spring Data.
    - MongoDB, Elasticsearch, Solr, RabbitMQ, Apache Kafka.
    - Machine Learning with Facebook's FastText on Python.
    - Git, Bitbucket, Bamboo.
- **OrionScion** Project, *Jan.2015 – Jul.2016*
  - OrionScion was the next iteration of Cision's Search Management Workflow at Visible Platform, Inc. My team delivered the first version of a human-filtered workflow for search operations. I worked on the backend with Node.js and migrated a web application from Spring/Thymeleaf to AngularJS..
  - Technologies:
    - Spring Boot, Spring Security, Spring Data, Thymeleaf.
    - Bootstrap, AngularJs, Gulp, Bower, Karma, Jasmine.
    - Node.js, Express.js, Moongose, MongoDB, Yup.
    - Git, Bitbucket, Bamboo.
- **Nimbus** Project, *Aug.2014 – Jan.2015*
  - On Nimbus (Media Monitoring Services), developed and maintained microservices supporting a mobile application. Built an authN/authZ microservice from scratch and implemented the app's end-to-end security model using Spring Security and OpenID Connect.
  - Technologies:
    - Java, Spring MVC, Spring Security, Spring HATEOAS, Spring AMQP, Spring Data, OpenID Connect.
    - SonarQube, Mockito, Apache Groovy.
    - Git, Bitbucket, Bamboo.

## Software Quality Engineer, Globant

October 2011 to July 2014

At this company, I supported multiple projects as a Software Quality Engineer, developing automation frameworks across diverse languages and toolchains.

- **RoomKey** project, *June 2013 to September 2014*

As Tech Lead on this project, I led the development of a UI test automation framework using Java and Selenium. My responsibilities included:

- Built an automated UI test framework.
- Implemented design patterns such as the Page Object Model and Page Factory.
- Automated test result report delivery via email.
- Implemented a mechanism to run tests across multiple platforms and browsers using Jenkins and BrowserStack.
- Created and maintained test cases.
- Conducted code reviews for the team.
- Trained new QA testers on how to use the framework.
- Technologies:
  - Java, Maven, Ant, Selenium WebDriver, TestNG.
  - Jenkins, BrowserStack.
  - Git, GitHub.

- **AMEX** project, *October 2012 to May 2013*

- In this project, I maintained an automated UI testing framework built in Ruby and created and maintained new test cases.
- Technologies :
  - Ruby, Selenium WebDriver, RSpec, Rake, ActiveRecord, Cucumber.
  - Git, GitHub.

- **Cars.com** project, *October 2011 to September 2012*

- On the Cars.com team, I created and maintained automated UI test cases using Java and Selenium.
- Technologies:
  - Java, Maven, Selenium WebDriver, TestNG.
  - Svn.

## DBA/Developer, Coop. Multiactiva 8 de Marzo LTDA

March 2009 to May 2011

At this financial company, my primary role was as a Database Administrator and Visual FoxPro developer for desktop applications. My responsibilities included:

- Installing and configuring database management systems (DBMS) and related software.
- Maintaining and optimizing database performance.
- Implementing security controls to protect databases from unauthorized access, including user/permission management and audit mechanisms.
- Creating backups and disaster recovery strategies to ensure data integrity and availability.

- Designing and modeling database structures, including schema design and data normalization.
- Troubleshooting performance, data integrity, and database access issues.
- Providing technical support to developers and end users on database-related topics.
- Keeping documentation up to date (configuration, procedures, and policies).
- Supporting the planning and design of new databases, as well as data migrations from legacy systems.
- Developing and maintaining stored procedures for sensitive processes such as credit deductions, payroll, and profit distribution for savings accounts.
- Building desktop applications to automate processes and generate reports for the accounting team and external auditors.
- Technologies:
  - *Microsoft Visual Fox Pro 9.0.*
  - *InterBase, Firebird, PostgreSQL.*
  - *Crystal Reports.*

## EDUCATION & CERTIFICATIONS

### PROFESIONAL DEVELOPMENT

**Master's Program in AI Development — BIG School & Universidad Isabel I (Dual Certification) — In Progress — Spain (2026)**

**Backend Developer – Node.js & NestJS | SENAI/SC — Brazil (2023)**

**Java SCJA & Java EE Web Applications | Universidad del Cono Sur de la Américas — Paraguay (2010-2011)**

**Computer Systems Analysis | Universidad Tecnológica Intercontinental — Paraguay (2004-2008)**

### ONLINE COURSES

**Web3 Application Development and Asset Tokenization on Arbitrum | DappDojo | Spanish**

**Blockchain & Web3 Development Bootcamp | Udemy | Spanish**

**Next.js: The React's framework for production | Udemy | Spanish**

**Angular Pro / NgRx Store + Effects | Ultimate Courses | English.**

**Spring Framework DevOps on AWS | Spring Framework Guru | English.**

**React – The complete guide (Hooks, React Router & Redux) | Academind | English.**

**OpenAI: React + NestJS | {dev/talles} | Spanish**