



Rodrigo Juan Arsenio Velázquez Alvarez

Full Stack Developer

Profile

As an accomplished Software Developer, Rodrigo Velázquez brings extensive experience in designing, developing, and maintaining robust software solutions. With a passion for cutting-edge technologies, Rodrigo has consistently delivered high-quality code, optimized performance, and collaborated effectively within cross-functional teams.

Employment History

Vulnerability Intelligence at Mentormate

May 2024 — Present

Project: Vulnerability Intelligence

Vulnerability Intelligence is a Cyber Threat Intelligence tool designed to help organizations identify vulnerabilities—both zero-day and known—that may affect their IT assets. The project scope encompasses:

- Construction of a Vulnerability Knowledge Graph: Aggregated data from various sources including vulnerability and exploit databases, security bulletins, and forums & communities.
- IT Asset Management: Maintained detailed information about organizational IT assets.
- Vulnerability Matching: Implemented mechanisms to match vulnerabilities to corresponding IT assets.
- Notification System: Developed a notification mechanism to alert Security Operation Centers (SOCs) about potential threats.
- Querying Interfaces: Provided robust vulnerability information querying through both graphical and conversational user interfaces.

Responsibilities:

As a full-stack developer and Scrum team member, my responsibilities included:

- Deployment and CI Configuration: Collaborated with the DevOps team in deploying the application, configuring the project for deployment, and setting up the CI pipeline.
- Project Setup: Led the setup and configuration of the project using NX monorepo, ensuring a modular and scalable architecture.
- Unit and End-to-End Testing: Developed numerous unit tests and set up the project for end-to-end testing of the endpoints.

Details

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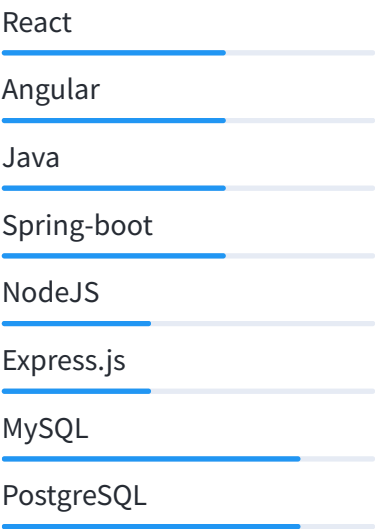
Date of birth

June 24, 1990

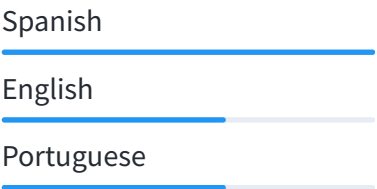
Links

[LinkedIn](#)
[GitHub](#)
[Website](#)

Skills



Languages



- New Functionality Implementation: Led and developed new features into back-end (server-side logic).
- Code Reviews: Conducted thorough code reviews to maintain consistency and uphold best practices.
- Agile Methodology: Collaborated within Scrum framework, ensuring effective communication and rapid development.
- Bug Investigation and Resolution: Addressed software bugs by adding new modules or fixing impacted areas.
- Code Refactoring: Improved code quality, readability, and maintainability through refactoring.
- Demo Preparation and Presentation: Prepared engaging demos for stakeholders, showcasing system features.
- Mentoring and Training: Guided and trained new developers joining the project.

Technologies used:

Nx monorepo, Express.js, Sequelize, PostgreSQL, Gitlab, git, Next.js, PostgreSQL, Jira, Docker, Swagger, Supertest, Jest.

Customer Support Specialist, Full-stack Developer at Elumen, Inc.

March 2021 — April 2024

Project: Educational system for university level students

The Curriculum Development System aimed to streamline curriculum management for university-level students. Our web-based platform provided essential tools to create, modify, and track curriculum workflows. Key features included:

- Workflow creation for curriculum design and approval.
- Real-time notifications for changes and updates.
- Alignment with accreditation requirements.
- Continuous improvement support for the institution.

Responsibilities:

As a Customer Support Specialist, my responsibilities included: Provided technical support to clients and resolved technical errors.

- Bug Diagnosis and Repair: Diagnosed and repaired software bugs.
- Client Communication: Communicated with clients to quickly diagnose and address their issues.
- Feature Adoption and Implementation: Supported the adoption of new features and assisted in the implementation of new clients.
- Software Maintenance: Conducted regular software maintenance, updates, and refactoring.
- Database Management: Managed databases using SQL Server, MySQL, and ANSI SQL.

- Data Fixes: Created data fixes using MySQL scripts and Python scripts.
- Team Onboarding: Participated in onboarding new team members.

As a full-stack developer and Scrum team member, my responsibilities included:

- New Functionality Implementation: Developed and integrated new features into both the front-end (user interface) and back-end (server-side logic).
- Code Reviews: Conducted thorough code reviews to maintain consistency and uphold best practices.
- Agile Methodology: Collaborated within a Kanban and Scrum framework, ensuring effective communication and rapid development.
- Bug Investigation and Resolution: Addressed software bugs by adding new modules or fixing impacted areas.
- Code Refactoring: Improved code quality, readability, and maintainability through refactoring.
- Demo Preparation and Presentation: Prepared engaging demos for stakeholders, showcasing system features.
- Accessibility Validation: Utilized customer accessibility tools to validate code functionality and compliance.
- Mentoring and Training: Guided and trained new developers joining the project.
- Client Meetings: Regularly met with the client to clarify doubts and transform them into actionable tickets.

Technologies used:

Java 8, MySQL, AngularJS, Jira, J2EE JPA, Hibernate, Angular, Spring Boot, JUnit, Mockito, Supermock, Serverless, MongoDB, JProfiler, Typescript

Front-end Developer at Software Natura

August 2020 — February 2021

Project: Educational system for school level students

Ed-tech system for teachers and students to view and interact with static and dynamic academic content. The teachers can review and visualize the results of the activities completed by the students.

Responsibilities:

As a front-end developer and Scrum team member, my responsibilities included:

- New Functionality Implementation: Developed and integrated features in both the front-end (user interface).
- Application Design Sessions: Led several design sessions, including creating Use Case Diagrams, Entity-Relationship Diagrams, Sequence Diagrams, and other relevant diagrams during the early stages of development.

- Bug Investigation and Resolution: Addressed software bugs promptly to maintain system reliability.
- Agile Methodology: Followed SCRUM practices, ensuring effective communication and collaboration.
- Demo Preparation and Presentation: Prepared engaging demos to showcase system capabilities.
- Accessibility Validation: Utilized customer accessibility tools to validate code functionality and compliance.

Technologies used:

React, Material UI, Leadership, PostgreSQL, Redux, Jira, Git

Front-end developer at Elumen, Inc.

December 2019 — June 2020

Project: Accessibility Compliance for Ed-tech Platform

The Accessibility Compliance project aimed to address reported accessibility issues in the Ed-Tech platform. These issues were identified by OZART and QualityLogic. Our focus was on enhancing interaction capabilities for users with accessibility needs.

Responsibilities:

As a full-stack developer and Scrum team member, my responsibilities included:

- New Functionality Implementation: Developed and integrated features to improve accessibility.
- Bug Investigation and Resolution: Addressed reported bugs related to accessibility promptly.
- Code Refactoring: Improved code quality and maintainability to align with accessibility standards.
- Agile Methodology: Followed SCRUM practices, ensuring effective communication and collaboration.
- Customer Communication: Regularly engaged with the customer to discuss progress, requirements, and feedback.
- Demo Preparation and Presentation: Prepared engaging demos to showcase accessibility enhancements.

Technologies used:

Angular 2, SemanticUI, Bootstrap, Git, JIRA.

Full-Stack Developer at Monitor (Matiz S.A.)

January 2018 — November 2019

Project: GPS tracking system

The system helps to track and control other vehicle parameters by having real-time information on the information provided by the different sensors installed in the vehicles, such as location, speed, gasoline measurement, temperature, etc.

Responsibilities:

As a full-stack developer, my responsibilities included:

- New Functionality Implementation: Developed and integrated features in both the front-end (user interface) and back-end (server-side logic).
- Code Reviews: Conducted thorough code reviews to maintain quality and consistency.
- Bug Investigation and Resolution: Addressed reported bugs promptly to ensure system reliability.
- Code Refactoring: Improved codebase for better maintainability and performance.
- Customer Communication: Regularly engaged with the customer to discuss progress, requirements, and feedback.
- Demo Preparation and Presentation: Prepared engaging demos to showcase system capabilities.
- Mentoring and Training: Guided and trained new developers joining the project.

Technologies used:

React, PostgreSQL, Material UI, Sequelize, Git, Node.js, Redux

Front-end Developer at Dirección Nacional de Contrataciones Públicas (DNCP)

January 2017 — December 2017

Project: Public Procurement System

The Government Procurement Portal serves as a critical platform for managing purchasing processes within the government. Key functionalities include supplier discovery, bid management, contract awarding, and payment processing.

Responsibilities:

As a front-end developer, my responsibilities included:

- New Functionality Implementation: Developed and integrated features to enhance the portal's functionality.
- Bug Investigation and Resolution: Addressed reported bugs promptly to maintain system reliability.
- Code Refactoring: Improved code quality and maintainability for efficient system operation.
- Customer Communication: Regularly engaged with government stakeholders to discuss requirements, progress, and feedback.
- Demo Preparation and Presentation: Prepared engaging demos to showcase the portal's capabilities.

Technologies used:

Angular, PostgreSQL, PrimeNG, Git.

Full-Stack Developer at CEAMSO

December 2015 — December 2016

Project: System to monitor projects with international funds

The International Fund Monitoring System was designed to oversee, track, and evaluate all phases of projects funded by international organizations. Key objectives included ensuring compliance with funding requirements, optimizing resource allocation, and providing transparency to stakeholders. New features were continuously developed based on evolving project needs.

Responsibilities:

As a full-stack developer, my responsibilities included:

- New Functionality Implementation: Developed and integrated features to enhance project monitoring and reporting.
- Bug Investigation and Resolution: Addressed reported bugs promptly to maintain system reliability.
- Code Refactoring: Improved code quality, performance, and maintainability.
- Customer Communication: Regularly engaged with stakeholders to discuss requirements, progress, and feedback.
- Demo Preparation and Presentation: Prepared and delivered engaging presentations to showcase system progress. Implementing new functionality. Code reviews. Bug analysis and fixes.

Technologies used:

PrimeFaces, Jasper Reports, Hibernate, Java, Git, J2EE JPA, PostgreSQL, Java Server Faces

Full-Stack Developer at Secretaria de la Función Pública

October 2013 — March 2014

Project: Government portal for competition and promotion in the public sector

The Talent Acquisition Portal serves as a critical platform for temporary hiring within the public sector. It ensures that recruitment is based on merit and adheres to current regulations. Key functionalities include candidate evaluation, selection, and appointment.

Responsibilities:

As a full-stack developer and Scrum team member, my responsibilities included:

- Code Reviews: Conducted thorough code reviews to maintain quality and consistency.
- Bug Analysis and Fixes: Addressed reported bugs promptly to ensure smooth portal operation.
- Code Refactoring: Improved codebase for better maintainability and performance.

- Site Maintenance: Regularly adjusted the portal based on feedback from internal stakeholders.

Technologies used:

Java, JBoss Seam, PostgreSQL, SVN.

Education

Engineering Degree in Computer Science, Universidad Nacional de Asunción, Facultad Politécnica, San Lorenzo, Paraguay

March 2010 — November 2015

Courses

Certified Angular Advanced Level, Mentormate University

May 2023

Certified React Advanced Level, Mentormate University

May 2023

Certified Node Foundation Level, Mentormate University

July 2024