

# Leonel Colina

## Software Engineer | FullStack Developer

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## TECHNICAL SKILLS

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JavaScript, React, Redux, Express.js, Node.js, Ruby on Rails, HTML, CSS, Python, Sass, SQL, PostgreSQL, MongoDB, Amazon Web Services (AWS) S3, JQuery, WordPress, Webpack, Git, Docker, TypeScript, Figma, Mongoose, Sequelize

## PROJECTS

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**Pensive** | MongoDB, Mongoose, Express, React, Redux, Node.js

[Live](#) | [Repo](#)

*A book writing management app that offers organization and distraction-free inspiration to develop ideas*

- Leveraged Validator to create customized validations for the login and register routes, using Jason Web Tokens and bcrypt to ensure user authenticity, having MongoDB as the database, accessed through Mongoose
- Integrated modular React Components to create a fast, seamless writing experience, through the implementation of the react-quill library for smooth functionality in the text-editor for creating chapters

**thinkThrough** | Ruby on Rails, React, Redux, PostgreSQL, AWS

[Live](#) | [Repo](#)

*A full-stack Medium clone - a website where users can create, like, and comment on posts*

- Ensured user privacy by implementing Rails validations and PostgreSQL constraints, limiting some functionalities such as writing articles or liking posts to authenticated users and persisting data after refresh
- Accessed and persisted data to the store using Redux state to avoid props drilling and to reduce load time, implementing JBuilder to format data retrieved through Rails associations to reduce backend queries
- Created S3 buckets, setting up their policies and IAM permissions for users to be able to host the post images using Amazon Web Services (AWS) through ActiveStorage

**Zuri's Escape** | JavaScript, HTML, CSS, Canvas, DOM

[Live](#) | [Repo](#)

*A vanilla JavaScript interactive game for people to practice and improve their typing skills*

- Implemented Canvas to render a pleasing aesthetic, creating backgrounds with a parallax effect and animating sprites through promises to render moving characters and avoid word overlapping
- Utilized the RandomWords API to fetch words and render them through DOM manipulation providing the gameplay ground for the users

## EXPERIENCE

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**Student Support Advisor** - DeVry University

Mar 2023 - Jan 2024

- Assessed academic and financial obstacles by analyzing student data, working with students to overcome them
- Developed and validated estimated financial plans with clear timelines for students to ensure financial preparedness diminishing their stress and reducing total loan amounts, on average, by 30k.

**Contact Tracer Case Investigator** - NYC Health & Hospitals

Jun 2020 - Apr 2022

- Collected and parsed data on symptoms into the Customer Relationship Management System by Salesforce, contributing to the success of the outreach program increasing from 80% to 92%

**Junior Software Engineer** - Cybernetix Services

Aug 2015 - Aug 2016

- Spearheaded the development of 7 out of 10 pages for the website front-end, leveraging Google Maps API, JavaScript, jQuery, and Bootstrap alongside graphic designers
- Ensured the timely release of the website, empowering the team to transition to other projects sooner, increasing team productivity
- Refactored legacy code by implementing Bootstrap, improving readability, and reducing length by over 30%

**Telecommunications Engineer** - ELCA Telecomunicaciones

Mar 2015 - Aug 2015

- Assembled and installed radios inside multiple shelters to establish microwave communication, expanding the telecommunication radius in rural areas in 5 different counties
- Created the budget for CCTV systems for different companies, decreasing expenses by over 15%

## EDUCATION

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**App Academy**

Graduated Fall 2022

- FullStack Software Development bootcamp

**Universidad Rafael Belloso Chacin (URBE) - (Venezuela)**

Graduated Winter 2015

- Bachelor of Science in Electrical Engineering with a focus on Telecommunication