

Leonel Colina

Software Engineer

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[Portfolio](#) | [GitHub](#) | [LinkedIn](#)

SKILLS

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

PROJECTS

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

- Designed the frontend architecture as the frontend lead, coding the React components alongside three colleagues using Git branch workflow, ensuring cohesiveness in components design and functionality
- Managed the state using Redux to create scalable code by using reducers to save the data to the global store, reducing dependency and increasing speed by limiting the queries to the database

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 to authenticated users and persisting user data after refresh
- Integrated modular React Components to create a fast, seamless UI experience for a text editor, through the implementation of the react-quill library for smooth functionality
- Accessed and persisted data to the store using Redux to avoid props drilling, using the state to reduce load time, and implemented JBuilder to format data retrieved through rails associations reducing backend queries.
- Created S3 buckets, setting up their policies and IAM permissions for users to be able to host 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

- Leveraged 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, using the RandomWords API to fetch words and render them through DOM manipulation providing the gameplay ground for the users

WORK EXPERIENCE

Student Support Advisor - DeVry University

Mar 2023 - Jan 2024

- Identified academic and financial obstacles by analyzing student data, and worked with students to overcome them by developing and validating estimated financial plans with clear timelines for them 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 HTML5, CSS3, Vanilla JavaScript, Google Maps API, jQuery, and Bootstrap in collaboration with graphic designers, ensuring the timely release of the website two weeks before the deadline. This accelerated completion empowered the team to transition to other projects sooner, resulting in a substantial increase in 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

App Academy

Graduated Fall 2022

- FullStack Software Development bootcamp with <5% acceptance rate

Universidad Rafael Belloso Chacin (URBE) - (Venezuela)

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