

# Ramiro D. Mendez Jr.

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San Antonio, TX, 78254

## Summary:

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Recent Computer Science graduate with fundamental knowledge of software design, development, and testing. Seeking to utilize broad education background and experience with excellent analytical, technical, and programming skills to thrive as an entry-level software engineer.

## Education:

### University of Texas at San Antonio

[Aug 2017 - May 2022]

**B.Science, Computer Science** - Software Engineering

**Minor** - Business Administration

**Relevant Courses** - Systems Programming, Secure Software Dev & Analysis, Data Structures, Analysis of Algorithms, Database Systems and Operating Systems

## Professional Experience:

### McKay Brothers LLC - Software Developer Intern:

[Jun 2022 - Present]

#### Pseudowire - PatchManager Integration/ WebTool Development:

- I played a key role on a new project, building out an API that will be the primary source of high traffic radio monitoring information that will be utilized company wide and will improve the efficiency of troubleshooting any disruptions on the network.
- Spearheaded the integration of the US side of the McKay network utilizing an internal Radio Management RESTful API to model a more detailed version of each tower site radio/ cabinet connections in an infrastructure management software called PatchManager.
- Contributed in designing and developing a web tool to accurately IO Map the network connections made in Patch Manager in order to troubleshoot/ debug any missing or incorrect ingress or egress points on the network for pseudowire validation.

## Programming Languages:

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- Python, C, Java, PHP, Javascript, C#, Bash and HTML/CSS

## Skills and Technologies:

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- Problem-Solving, Data Analysis, Web Dev, Backend/ Frontend Dev, Leadership, Initiative Communication, and Object Oriented Programming
  - MySql, PostgreSQL, MongoDB, AWS, Linux, Unix, Apache, Nginx, Tomcat, React.js, Git, Spring Boot Framework, Node.js, Maven, Bootstrap, Jupyter, REST API, Postman, Excel and PowerPoint

## Projects:

### RESTful API Web Service:

[Feb 2022 - May 2022]

- Built a webservice and RESTful API to manage five million records of products in an inventory management tool stored in a MySQL database, deployed on a Nginx web server hosted on an AWS Ubuntu EC2 instance.
- Capable of querying millions of records in milliseconds, performing CRUD operations on any equipment on all pages, upload files for individual products, and access all data on several API endpoints in a cohesive JSON format.

### Personal Website/Portfolio - [ramiro-mendez.com](#):

[December 2022]

- Developed a personal website using React.js, deployed on a production server hosted by Hostinger.
- Utilized React components and hooks to efficiently manage and update the website's content and layout.
- Implemented responsive design techniques to ensure the website's compatibility across various devices and screen sizes.

## Activities, Awards, and Honors:

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- University of Texas at San Antonio - Dean's List [Aug 2017 - May 2019]
  - ACM ( Association for Computing Machinery ) [Feb 2021 - May 2022]
  - RowdyHacks 2022 Hackathon [March 2022]