

Ramiro D. Mendez Jr.

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San Antonio, TX, 78254

Summary:

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

[August 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:

[June 2022 - Present]

Pseudowire - PatchManager Integration/ WebTool Development:

- Integral contributor on a new project building out an API that will be the golden source of high traffic radio monitoring information that will be utilized company wide and will drastically 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 of the tower radio/ cabinet connections in PatchManager.
- Contributed in designing and developing a web tool to accurately IO Map the network from the 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 plus records of products in an inventory system 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, CRUD any equipment on all pages, access all data on several API endpoints in a cohesive JSON format, and able to upload files for individual products in the database.

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 [Mar 2022]