

ARTURO CORONA

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EDUCATION

Texas A&M University San Antonio

Bachelor of Science in Computer Science, minor in Psychology

San Antonio, TX

Aug 2019 – Dec 2023

EXPERIENCE

Marathon Petroleum Corporation

Network Operations Engineer

San Antonio, TX

Aug – Present

- **Constructed** the code-base for a software tool using **YAML** that automates the process of upgrading different vendor network devices within Marathon's infrastructure with the use of **Ansible playbooks** which saves 40% of time when using.
- Developed a web application for interns to find roommates and housing using **ASP.Net**. Utilized **Blazor** and **Mudblazor** libraries to design front end. Constructed back end with **C#**, establishing a connection with our **MS SQL Server**

Marathon Petroleum Corporation

SAP Software Engineer

San Antonio, TX

May – Aug 2023

- Engaged in application development to assist product owners in presenting relevant data and customer information, leveraging **SAP ABAP, S/4HANA, Core Data Sheets** and **SAP Fiori** development tools.
- Research and integrate **SAP Build** into Marathon's daily toolkit to enhance application development efficiency.
- **SAP Build** dramatically **reduces** the crafting of a mobile or web application **from two weeks to 4 business days**.

6Connex

Quality Assurance Engineer

San Antonio, TX

June – Aug 2022

- Collaborated with QA Engineers in an **agile** environment and utilized tools such as, **Jira software, Postman, Cypress, Playwright** and **6Connex Control Center** to effectively clear over 5 major and minor bugs.
- Worked alongside QA Engineers in the **creation** and **implementation** of **unit tests, integration tests** and **end-to-end tests**.
- With the use of **Playwright**, I developed software which minimized the time spent on finalizing tests by the end of a two week sprint by more than **80%** and would output its findings on **Confluence**.

CodePath

Teaching Assistant for Mobile App iOS Development

Remote Position

Aug – Dec 2022

- **Manage and assist** 3-5 groups of students, "pods", containing around 5 students each.
- Discuss topics such as **application life-cycle, Rest API calls, Swift, StoryBoard** and **MCV app architecture** with students.

PROJECTS

NASA Astronomy Picture of the Day | *Android Kotlin, Jetpack Compose, MVVM, Retrofit, REST API*

Personal Projects - [Github](#)

- Engineered a user-friendly Android Application utilizing **Kotlin**, showcasing NASA's Astronomy Picture of the day using **NASA API** and open-source library **Retrofit**.
- Implemented **MVVM architecture** to enhance code maintainability. Additionally, implemented **multiple open source libraries** such as, **Glide** and **TouchView** for seamless image loading and also zoom functionalities.
- Incorporated a **date-picker** for exploring different APOD's, **enhancing user engagement**.

Asteroid Drilling Stats | *Winner of Hack-UTD best use of Google Cloud! | HTML, CSS, JavaScript, python, GCP*

Personal Projects - [Github](#)

- Developed a website with **HTML, CSS and JavaScript** and hosted it on **Google Cloud Platform** to make accessible online.
- We made use of **Python**, and its many data analysis libraries, to help us clean and sanitize EOG large data set and display relevant Asteroid Drilling Stats.

TECHNICAL SKILLS

Languages: Java, Kotlin, Python, C#, Swift, YAML, MySQL, JavaScript, HTML/CSS, SAP ABAP & Fiori

Frameworks: Node.js, Express.js, Blazor, asp.NET, Playwright, Cypress, Ansible

Technologies: Cisco IOS CLI, Postman, Git, Linux, MongoDB, Back4App

Fluent in: English & Spanish

LEADERSHIP AND COMMUNITY INVOLVEMENT

Association of Computing Machinery: President

Society of Hispanic Professional Engineers: Member