JACINTO J MENDOZA

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EDUCATION

University of Texas at Arlington
Bachelor of Science in Computer Science (2016 – 2021)

Relevant Coursework
Computer System Design Project, Algorithms and Data Structures, Fundamentals of Software Engineering, Software Testing and Maintenance, Programming Languages, Database Implementation and Theory, Database Systems and File Structures

CERTIFICATIONS

Amazon Web Services
Certified Cloud Practitioner
Certified Data Analytics – Specialty

SKILLS

Programming Languages
JavaScript, TypeScript, HTML, CSS/Sass, Java, Python, C, C++, SQL, R

Libraries & Frameworks
Angular, React, Node.js, Express.js, Spring Boot, Bootstrap, Material UI

Tools & Platforms
Visual Studio Code, Amazon Web Services, WordPress, Git, Heroku, Firebase, Docker, Netlify, MongoDB, Postman

Systems
Linux, Windows, macOS

Interests
Web Development, Information Security, Databases, Cloud Computing

PROFESSIONAL EXPERIENCE

Talent Path   Jul '21 – Present
Full Stack Engineer, Data Engineer
- Completed an eleven-week full stack program utilizes technologies such as the front-end Angular framework and the backend Node.js environment with the Express.js framework.
- Created a prototype finance web application that utilizes Angular, Node.js, Material-UI, PostgreSQL and Express.js.
- Completed a hands-on 10-week program that utilized multiple components of AWS such as Redshift, RDS, Lambda, Glue, EMR, S3, DynamoDB, and QuickSight.

PROJECTS UNDERTAKEN

- **Angular Web Application:** Developed a prototype finance web application as part of a capstone project that utilizes the front-end web application framework, Angular, and the back-end JavaScript runtime environment, Node.js.
- **ETL Pipeline Analytical Solution:** Created a prototype end-to-end batch ETL solution via Amazon Web Services (AWS) from an existing on-premises IT infrastructure. This project managed raw data such as semi-structured and structured data to be transformed and loaded using multiple AWS services such as Redshift, DynamoDB, RDS, EMR, QuickSight, and Lambda for data analytics.
- **SQL Database:** Designed and implemented a relational database system for an online airline travel reservation system. Project included creating an ER/EER schema diagram, implementing using Oracle SQL, and running queries.
- **Cloud Computing Program:** Created a map/reduce program that is capable of handling very large data sets in a reasonable amount of time. Ran on XSEDE, it utilizes the Hadoop framework for processing data in parallel on large clusters.
- **JUnit Program Testing:** Ensured that a given code has full coverage for all possible inputs using JUnit testing through the Eclipse IDE platform. Involved creating a Control Flow Graph for each individual method as well as for the main method, executing JUnit source code and correcting any detected faults within the program.

COMMUNITY SERVICE

The Big Event   Apr '18 – Apr '21
Site Member, Site Leader
- Provided cleaning, organizing, and gardening to the Salvation Army.
- Lead a group of volunteers to renovate a garden as well as organize other outside areas at The First United Methodist of Hurst.
- Created afterschool activity kits for kids to do at home for the Voice of Hope Ministries.