Jonathan Molina

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Objective

Software Engineer eager to apply comprehensive software development training in a practical, team-oriented environment, focusing on contributing to impactful projects and technological innovation.

Education

Software Engineer - Full-Stack Developer Trainee   **Oct 2023 - Feb 2024**
The Complete Web Development Bootcamp on Udemy   Dallas, TX
- Completed a *62-hour Full-Stack Web Development Bootcamp*, gaining expertise in *front-end* and *back-end* technologies; built and deployed *32+ responsive websites* using *HTML*, *CSS, JavaScript,* and *Bootstrap.*
- Learned technologies like *React, Node, Express, Bootstrap, PostgreSQL* as well as practices for design, implementation, deployment such as *MVC, Version Control (Git/GitHub), Agile & Scrum, Test-driven Development*, and *CI/CD*.
- Designed and implemented a full-stack e-commerce platform, leveraging *React.js* for dynamic front-end interactions and *Express.js* on *Node.js* for server-side logic, product management, shopping cart, and user authentication.

University of Texas at Dallas   **Dec 2021**
- **Degree**: Bachelor of Science in Computer Engineering   Richardson, TX
- **Relevant Coursework**: Software Engineering, Data Structures and Algorithmic, Discrete Math & Structures, Comp Organization & Assembly Language, Computer Architecture, Embedded Systems, Operating Systems Concepts

Technical Skills

- **Programming Languages:** Java, JavaScript, Python, SQL, HTML, CSS, C++
- **Database Systems:** PostgreSQL, MySQL
- **Software Tools:** Git Version Control, Atom, Visual Studio Code

Licenses & Certifications

JPMorgan Chase & Co.   **Jan 2024**
Software Engineering Lite Virtual Experience Participant on Forage   **Dallas, TX**
- Utilized *Python* and *React* to create live financial data graphs; enhanced credit card systems applying *Java OOP*.
- Implemented *Git* for *version control*, showcasing effective collaboration and code management skills.
- Led daily standups to coordinate and motivate the **Scrum** team, enhancing daily productivity.

Selected Projects

Book Notes Tracker   **Feb 2024**
- Engineered a **web application** for tracking personal book notes, employing **Express/Node.js**, **PostgreSQL**, and **CRUD operations** for robust server-side and database functionality.
- Integrated **Open Library Covers API** to fetch book covers, implemented dynamic sorting by rating and recency, and designed a responsive UI with **HTML, CSS, JavaScript**, and **EJS**.
- Documented the development process, established error handling for API interaction, and utilized **Git/GitHub** for version control and sharing within the developer community.

API Integration Project   **Feb 2024**
- Conceived and constructed an interactive web application using **Express/Node.js** and **Axios** to seamlessly integrate and manipulate data from a chosen *public API*, enhancing user engagement through a tailored data presentation.
- Leveraged *EJS* templating to design a user-centric interface, utilizing *HTML*, *CSS,* and *JavaScript* to deliver a dynamic and responsive user experience.
- Employed robust error handling for seamless application functionality, documented the development process, and shared the codebase on *GitHub* with comprehensive Readme.md instructions for deployment and operation.

UTD Senior Capstone: Health Companion Smart Mirror   **Dec 2021**
- Collaborated in a team of five to design and develop an interactive smart mirror that provides health-related information and daily updates, using *Agile* and *Scrum* methodologies to ensure timely and adaptive project delivery.
- Programmed the *backend* in Python on a *Raspberry Pi*, ensuring efficient operation and system stability.
- Integrated dynamic content via *APIs*, crafted a responsive UI with *HTML*, *CSS*, *JavaScript*, and *Bootstrap*, and managed code through *Git*/*GitHub* for *Version Control*.