ANDRÉS MARCELO VILLARREAL

PERSONAL DETAILS

Address
Tizapán San Ángel, Álvaro Obregón, Mexico City, C.P. 01090.

Phone number
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amvillarreal98@gmail.com

KNOWLEDGE

Programming languages: Java, JavaScript, TypeScript, HTML5, CSS3, Python, C#.

Frameworks: Spring Boot, Hibernate, Angular, React, Bootstrap.

Libraries: jQuery.

Databases: Oracle 11g, PL-SQL.

IDE´s: Eclipse, IntelliJ IDEA, NetBeans, Visual Studio.

Architectures: MVC.

Web Services: RESTful API, SOAP.

Operating systems: Windows, Mac OS, Linux

LANGUAGES

Spanish – Native

English – Advanced

COURSES

• Computational Tools and Algorithms.
• Algorithms and Programming.
• Linear Programming.
• Development of Computer Applications.
• Databases
• Data Mining.
• Artificial Intelligence.

PROFESSIONAL PROFILE

I am a software developer with extensive experience in designing, installing, testing, and maintaining software systems. I possess in-depth knowledge in various platforms, languages, and embedded systems. In addition, I am familiar with the most advanced tools and practices of development. I can effectively manage independent projects and collaborate effectively in productive teams. Check my website for more information about me: **https://andresvillarreal988.github.io/my-portfolio/**

WORK EXPERIENCE

Feb 2024 – Present

Full Stack Developer
Infosys, Mexico City
- Led major system upgrades for T. Rowe Price from Java 11 to Java 17/21, modernizing codebases and enhancing performance while upgrading Spring Boot and Nitro frameworks for optimal efficiency.
- Developed and secured RESTful APIs with Spring Boot, implementing OAuth2 and Spring Security for robust authentication and data protection. Deployments to Stage and Production as well.
- Utilized AWS services (Lambda, S3, API Gateway) to enhance scalability and reduce costs, and automated CI/CD processes using Jenkins, Docker, and GitLab CI.
- Validated and tested REST endpoints using Postman and Insomnia, ensuring robust API performance and reliable data exchange.
- Debugged and monitored production systems with AWS CloudWatch and Splunk, quickly resolving issues and ensuring system reliability.
- Refined frontend components with Angular and JavaScript, managing feature toggles and ensuring tailored content display for regional requirements.

Aug 2023 – Feb 2024

Software Developer
Softtek, Mexico City
- Developed a secure front-end form for authenticated users from Banamex to update their passwords, featuring fields for the old password, new password, and password confirmation.
- Implemented stringent password validation rules to ensure compliance with security standards, enhancing system integrity.
- Engineered an Autochecker feature to verify the identity of users attempting to make updates, thereby bolstering security measures.
- Designed user interfaces and managed views to optimize user experience and facilitate seamless data updates.
- Created detailed flowcharts for User Stories, aiding in the visualization and planning of development tasks.
- Utilized a diverse technology stack, including Java, C#, Struts, MVC, DAO, HTML5, CSS3, JavaScript, XML, WebLogic, jQuery.

Nov 2022 – Jul 2023

Java Developer
Frubana, Mexico City
- Led the development of a comprehensive sales system encompassing product catalogs, customer, and supplier modules.
- Engineered a home delivery module to expand the service offerings and enhance customer convenience.
- Maintained and updated the customer and supplier catalogs, ensuring accuracy and reliability.
- Managed database operations, including creating and executing stored queries and procedures in SQL Server.
- Conducted functionality testing and debugging to ensure robust application performance.
- Utilized technologies such as Java, JSF, MVC, DAO, Facade Front Controller, HTML5, CSS3, JavaScript, XML, WebServices, Oracle 11g.

STUDIES & CERTIFICATIONS

Aug 2017 – Jun 2022

Bachelor's degree in Applied Mathematics.
Instituto Tecnológico Autónomo de México (ITAM), Mexico City.

Jul 2023 – Aug 2023

Full Stack Development Program.
TR Network, Puebla, Mexico City.