

Jesus Eduardo Alvarez Garcia

Mechatronics Engineer



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"I am a Software developer with 5 years of hands-on experience, working with technologies like Java, JS, Spring, Spring Boot, and Node, using multiple database management and agile methodologies. I'm a dynamic and well-organized person. My expertise extends to developing scalable microservices, testing them, and leveraging cloud solutions. I am committed to continuous improvement and agile methodologies."



Education

- 2014 - 2018 **ENGINEERING MECHATRONICS - CENTRO DE ENSEÑANZA TÉCNICA INDUSTRIAL**
Area of specialization: Robotics.
- 2010 -2014 **TECHNICA BACCALAUREATE, AUTOMOTIVE MECHANIC - CENTRO DE ENSEÑANZA TÉCNICA**



Course

- Certificación Python I DaCodes Academy - 2024.
 - Syntax and Data Types, Operators, Control Flow, Functions, Data Structures, Working with Strings, File Handling, Error Handling, OOP.
 - Use SQLite to make a persistent storage application.
 - Programming of algorithms.
- Open Pages with Watson Traning Technical Sales Advanced Proficiency - 2022.
- Open Pages with Watson Traning Technical (DataHubusa) - 2022.
- Generation - Full Stack Developer 2018.
 - Programming of algorithms in Java.
 - Development of projects following MVC pattern with Java, Eclipse, and Tomcat as servers.
 - Design of front-end layer with HTML5, CSS3, JavaScript, Bootstrap and jQuery in Java Dynamic Web Applications.
 - Implementation of Java frameworks such as Java Server Faces (JSF), Struts, and Hibernate in Java Web Projects.
 - Development and implementation of SOA services with Java Technologies.
 - Analysis and design of databases in MySQL.
 - Knowledge of scrum methodology.



Work experience

JAVA AND WEB TECHNOLOGIES

IBM, Mexico | Jul 2021 – **Current**

-----Assignment History

Quality Engineering, ETL, Relational and Non-Relational DB, Control M, AWS, Snowflake, Oracle, Git/GitHub.

Santander; Mexico | Oct 2024 - **Current**

Project name: Santander **Big Data** Cloud Migration.

- Data Validation and quality standards. Making Testing verifying data integrity, accuracy and consistency to the Cloud Migration.

Contribution: verifying data integrity, accuracy, and consistency.

Back-end JS, TS, Loopback Node Developer.

Grupo Financiero Banorte; Mexico | Jul 2024 - Sept 2024

Project name: Watson Assistant Migration 2.0 The IBM cognitive and generative AI.

- Migrate all functionalities, incorporating cognitive capabilities, providing access to data, and improving the composition of functionality making it not monolithic, and implementing application proxies pre-webhooks and data manipulation through microservices.

Contribution: Identify and mitigate vulnerabilities in the code.

Languages

- English - Fluent
- Spanish - Native

Key skills

• Cloud

- Certification: AWS Certified Cloud Practitioner certificate 2022
- IBM Cloud
- Google Cloud
- Azure

• Back-End

- Node.js
- JavaScript
- Express
- Java Core
- Python

• Front-End

- JavaScript
- HTML5
- CSS3
- Bootstrap

• Database

- MYSQL
- OracleXE
- PostgreSQL
- Firebase
- Mongo DB Atlas

• Microservices

- Spring Boot
- Loopback

• IA

- Watson Assistant
- Generative IA

• Devops

- Jenkins
- Docker
- Gitlab

• Data Streaming

- Kafka

Back-end Java, Spring Boot, OracleXE, JSP Developer.
Grupo Financiero Banorte; Mexico | Oct 2023 - Mar 2024

Project name: Genexus Migration.

- The objective is to migrate the Genexus application (Low Code Application without documentation) to Java Spring boot.
- Migrate all functionalities, incorporating cognitive capabilities, providing access to data, implementing application Store procedures, and data manipulation through microservices.

Contribution: Working directly on the migration of Backend code from Genexus platform to Java using Spring boot, JPA, OracleXE, and Store procedures, all these to make microservices for the implementation of the platform.

Back-end JS, TS, Node, Loopback Developer.

Grupo Financiero Banorte; Mexico | Feb 2023 - Oct 2023

Project name: Watson Assistant Migration 2.0 The IBM cognitive and generative AI.

- The objective is to migrate Watson V1 to V2.
- Migrate all functionalities, incorporating cognitive capabilities, providing access to data, and improving the composition of functionality making it not monolithic, and implementing application proxies pre-webhooks and data manipulation through microservices.

Contribution: Working directly on the migration of Watson Assistant code from V1 (Java) to V2 using Loopback 4 with Typescript, Node.js, and Express, making deployments on IBM cloud through the Toolchain with Develop a Kubernetes app with Helm as well the development of pre-web hook with Watson Assistant.

Back-end Java, Spring Boot Developer Programming My Audit - (Open pages).

Citi US - Global; Mexico | Apr 2022 - Dec 2022

Project name: My Audit-(OpenPages).

- The objective was to implement the IBM OpenPages Audit platform to support Citi's internal audit function.
- Increasing productivity, incorporating cognitive capabilities, providing access to data, and an improved user experience for the Citi IA community.

Contribution: Working directly with the client Citi US on the Comprehension and implementation of requirements, helping to correct errors in the system, Development of workflows and view interfaces, and creating and executing the unit test using the Open Pages System.

Back-end Java, Spring Boot Developer.

Citi US - Global; Mexico | Jun 2021 - Mar 2022

Project name: My Audit - (OpenPages) Citi US.

- The objective was translating system requirements into the design and development of customized systems in an agile environment. collaborating and integrating code into enterprise systems.

Contribution: Collaboration of the creation of interfaces like ICaps CMP, and OMU applying technology Java 8, and Spring boot to create microservices, as well Gradlew to the creation of package and documentation also the understanding of the OpenPages API and the correct implementation of it as well as deploy in IBM Cloud containers which help to test dummy responses.

Software Development -----
Emergys, Mexico | Oct 2019 - Jul 2021

Participation in the project planning, analysis, and development.

- Implementation of the web app with ASP.NET and TFS version control.
- Design Web of front-end layer with HTML5, CSS3, JavaScript, jQuery, Bootstrap, and Kendo UI.
- Use of Postman and API's REST to implement Web services.
- Use of SQL to implementation of database.
- Use of Google Cloud.
- Docker, Kubernetes, git.
- Chatbot: EJS, Node.js, Express, MongoDB Atlas, Dialog Flow, Firebase.

Digital Credentials

- Certification Python I DaCodes Academy - 2024
- Banking Insights and Solutions (Bronze) - 2023
- DevSecOps Essentials - 2023
- IBM Garage Foundation - 2022
- AWS Certified Cloud Practitioner - 2022

Software Development and Support
Ordering Corp., Mexico | Feb 2019 - Oct 2019

Design of front-end layer with HTML5, CSS3, JavaScript, Bootstrap.

- Testing product web page with Ghost inspector.
- Application of new technologies IOT.
- Scrum methodology and use of GitHub and Source tree.

Hobbies

- Drink Coffee •Biking •Movies and Series •Video Games