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FULL-STACK WEB DEVELOPER WITH A BACHELOR'S DEGREE IN SYSTEMS ENGINEERING, PROVEN DATABASE, GIS AND SALESFORCE EXPERTISE

Full-Stack Web Developer with a Bachelor's degree in Systems Engineering and a proven database, GIS, and Salesforce background. A graduate of Johns Hopkins University with a certificate in Full Stack Web Development, proficient in programming languages and technologies like HTML, CSS, JavaScript, jQuery, Node.js, React, C++, APEX, PHP, AWS, AZURE, and Salesforce. Experienced in using Salesforce tools such as Visualforce, Aura components, Lightning framework, SOQL, and SOSL, alongside databases like Oracle, SQL, MySQL, MongoDB, DynamoDB, and Access.

Proven ability to solve complex problems with a track record as a General Manager and Co-owner of Msportswear. Demonstrated experience managing projects for IT systems and manufacturing processes using the latest technologies. Extensive experience as a Software Development Manager. A versatile professional with an aptitude for working independently or collaboratively to achieve practical outcomes under pressure. Looking to leverage web development, Salesforce, and database expertise to create intuitive apps and improve systems. Fluent in English and Spanish.

TECHNICAL SKILLS

Databases: Oracle, MySQL, Access, SQL Server, MongoDB, DynamoDB

Developer Tools & IDEs: Oracle JDeveloper, Visual Studio .NET (Web Forms, MVC), Visual Basic, Visual C++, Dreamweaver, Oracle Forms, MySQL Workbench, Data Warehouse, Net Logo, Node.js, Visualforce, Apex, Aura Components, Lightning Web Components.

GIS Tools: ArcGIS (9.3, 10.0), Arc Scene 10.0, ENVI, IDRISI SELVA

Programming Languages: Java, C++, HTML5, PHP, BASIC, JavaScript, jQuery, CSS, JSON, Apex, SOQL, SOSL

Frameworks: Bootstrap, Materialize, React.js

Networking Protocols: DNS, DHCP, HTTP, OSPF, EIGRP, TFTP, Frame Relay, ATM2

Operating Systems: Windows, Linux, macOS

Cloud Platforms: Azure, AWS (S3, EC2, IAM, DynamoDB), Salesforce, Heroku

Other Tools & Technologies: RESTful Web Services, Git, Bash, Microsoft Office Suite, Adobe Illustrator, DBeaver, Microsoft Visual Studio

EXPERIENCE

Manager Salesforce Development Healthwell Foundation

2023 - present
Germantown, MD

Leading the enhancement of processes and development of new Lightning Web Components (LWC) across provider, pharmacy, and patient portals, along with driving key projects for the GMS side to support contact center specialists.

KEY ACHIEVEMENTS:

- Improved GMS processes to assist contact center specialists.
- Implemented and enhanced LWCs across various portals.
- Developed and integrated Twilio for SMS and call notifications.
- Integrated a Node.js-based notification system to manage push notifications for the mobile app.
- Designed and developed the organization's mobile app.
- Implemented and optimized asynchronous processes to manage locking issues.
- Created custom objects and custom Lightning pages for the GMS side.
- Implemented a third-party system for data archiving, ensuring visibility for reporting purposes.

Salesforce Developer - Consultant

2022 - 2023

Healthwell Foundation**Germantown, MD**

Enhancing current processes and building new LWC used in provider, pharmacy and patient portals.

KEY ACHIEVEMENTS:

- New message center implemented on all portals.
- Components that allow portal users to update portal's avatars.

Software Development Manager**2021 - present****Impresst Business Services Inc****Burtonsville, MD**

Website developer, web services and database architect – building and improving web application to support all aspects of a service-based business, everything from schedules and messages to payments and contact information. Implemented database structure for the web application and mobile apps.

KEY ACHIEVEMENTS:

- Migrate local SQL database to the cloud using Azure SQL Database services.
- Re-Design web application to support cloud services and integration with third parties' services.
- Creation and implementation of a notification system for web and mobile applications.
- Multi-tenant structure to handle web applications, and databases.
- Implementation of 2FA and MFA.

Full-Stack Web Developer**2018 - present****Msportswear USA****Gaithersburg, MD**

Website developer and administrator – attracted new customers with website and social media enhancements. Implemented database system to manage clothes inventory for the web page and developing mobile app.

KEY ACHIEVEMENTS:

- Web site: <http://www.martinezsportswear.com/>
- Intranet – Full management web app development. (Front-End and Back-End).

General Manager, Co-Owner**2012 – 2018****Msportswear Cia. Ltda ECU****Cuenca, AZU - Ecuador**

Created family-owned company while studying for Master's degree. Manage projects for IT systems and manufacturing processes using the latest technologies.

KEY ACHIEVEMENTS:

- Oversee production of high-quality competition clothing for high-endurance athletes.
- Income and production grew 300% between 2012 and 2013, 100% from 2015 to 2016 and 100% from 2016 to 2017.

System Engineer**2014 – 2015****“Hogar del Ecuador” Foundation****Cuenca, AZU - Ecuador**

Website developer and Network administrator.

KEY ACHIEVEMENTS:

- Attracted new customers with website and social media enhancements.
- Online Radio developed for the foundation.

PROJECTS**MB Direct** - <https://mbdirect.herokuapp.com/> | <https://github.com/chernanma/MBDirect>**2021**

Full-stack web app that connects users to businesses that meets their criteria.

- This app allows customers to link up with businesses directly, in return businesses can contact, inform, negotiate, and deliver customer satisfaction.
- This website is fully functional, easy to navigate, with build in authentication for users.
- Tools used: JavaScript, CSS, jQuery, Node.js, React.js, API, Visual Studio Code, Bootstrap, NPM Modules (express, axios, multer, passport, sequelize, socket.io, uuid, yup, google-charts), MySQL, MERN model.

Bike Shop App - vast-woodland-01889.herokuapp.com | github.com/chernanma/BikeShopApp **2020**

Full-stack web app that allows users to select bicycles by brand name, accessories, and service request.

- The user will have the ability to view the actual image of their selection along with the price and inventory in –stock associated with each item.
- This webpage contains fully functional forms for the users and members to sign in, along with operational features that allow them to easily navigate , view options, make selections, and checkout successfully
- Tools used: HTML5, CSS, JavaScript, jQuery, Node.js, Visual Studio Code, Bootstrap, Express, Handlebars, Inquire, MySQL, MVC model.

Trail Mixer - github.com/lucasBRYG/Group-Project-1 | lucasbryg.github.io/Group-Project-1/ **2020**

Full-stack web app where hiking, biking, running, and ski trails info can be found nearby user's location.

- The user can explore new trails as well as get a general idea of what the trail entails.
- In charge of the complete back-end and front-end development to gather all data from third party APIs and display the most accurate data search for final user
- Tools used: HTML5, CSS, JavaScript, jQuery, Materialize CSS, Visual Studio Code, Open Weather API, and Hiking Project API.

EDUCATION

Dreamforce Bootcamp – Integration Architect

San Francisco, CA

Focused on Salesforce integration patterns, API management, and designing scalable, maintainable solutions using tools like MuleSoft, REST/SOAP APIs, and third-party services. Developed skills in handling real-time data synchronization, error handling, and performance optimization across systems.

Dreamforce Bootcamp – Data Architect

San Francisco, CA

Specialized in designing data models for large-scale Salesforce applications, optimizing performance, and ensuring data security and integrity. Gained expertise in handling large data volumes, leveraging tools like SOQL and SOSL, and creating scalable data architectures that support enterprise-level needs.

Salesforce Developer Certification

Certified Salesforce Developer with expertise in Apex, SOQL, SOSL, and Lightning framework.

Bootcamp Certificate in Full Stack Web Development

Johns Hopkins University – BALTIMORE, MD

A 24-week intensive program focused on gaining technical programming skills in HTML5, CSS3, JavaScript, jQuery, Bootstrap, Firebase, Node Js, MySQL, MongoDB, Express, Handelbars.js & ReactJS.

Cisco CCNA Routing and Switching Program

Montgomery College – GERMANTOWN, MD

A 12-week intensive program focused on Construct simple LANs, perform basic configurations for routers and switches, implement IP addressing schemes, and resolve common issues with RIPv1, RIPv2, single-area and multi-area OSPF, virtual LANs, and inter-VLAN routing in both IPv4 and IPv6 networks.

Bachelor's Degree - Information Systems Engineering

University of Azuay – CUENCA, Azuay - Ecuador

US Degree equivalence evaluation from WES available upon request.

Most Important Projects

- Created Web-based application for the administrative control of a sports academy (The Inline Speed Skating Federation of Azuay, an Ecuadorian province)
 - **Database:** MySQL
 - **Programming Language:** Oracle JDeveloper 11g
 - This application was the final Project for graduation in Information Systems Engineering
 - Received perfect score for this final Project from the faculty
- Created Information Management System for the Water Utility in Cuenca, Ecuador
 - **Database:** MySQL
 - **Programming Language:** PHP

Technologies and Systems

- **Databases:** Oracle, MySQL, Access, SQL Server.
- **Developer Programs:** Oracle JDeveloper 11g, Visual Basic 6.0, ASP.NET (Web Forms, MVC), Visual C++, Prolog, Dreamweaver, Oracle Forms, MySQL Workbench, Data Warehouse, NetLogo 4.1.3
- **Geographic Information Systems:** Arcgis 9.3, Arcgis 10.0, ArcScene 10.0, ENVI, IDRISI SELVA
- **Programming Languages:** Java, C++, XML, HTML, PHP, ADF, BASIC, JavaScript,
- **Networking Protocols:** DNS, DHCP, HTTP, OSPF, EIGRP, TFTP, Frame Relay, ATM2
- **Operating Systems:** Windows, Linux, MAC OS

Masters Candidate - Geographic Information Systems with emphasis on Land Planning

University of Azuay – CUENCA, Azuay - Ecuador

Completed Master's Curriculum

GIS Project

- Created environmental management plan to identify site for waste transfer station in Cuenca, Ecuador
 - Location for the landfill identified by this project was implemented by the municipality
 - Used Geographic Information Systems such as ARCGIS 10.0, ARCSCE 10.0
- Created dynamic model to simulate effect of dam breakage on a surrounding area using Net Logo 4.1.3
- Collaborated in creation of the Land Plan of the City of Cuenca, Ecuador

GIS Knowledge/Experience

- Spatial reference systems and Global satellite navigation systems
- Aerial Photographs and Photo restoration
- Geodatabases and network analysis
- Satellite Teledetection and Teledetection Sensors
- Temporal Analysis of Teledetection Output
- Exploratory Analysis of Spatial Data and Infrastructure for Spatial Data and Map Servers
- Advanced Analysis of Geographic Data (socioeconomic variables)
- Cartographic Quality Control, Land Surveys, and Valuation
- Management and Use of Hydrographic Bodies
- Environmental Protection, Land Use Planning, and Assessment and Restructuring