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

Full-Stack Web Developer with a Bachelor's degree in Systems Engineering and a proven database and GIS background. A graduate of Johns Hopkins University with a certificate in Full Stack Web Development expanding on programming languages and technologies like HTML, CSS, JavaScript, jQuery, Node.js, React, C++, PHP, and databases as Oracle, MySQL, MongoDB, and Access. Ability to solve complex problems and 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 in this area.

A penchant professional with an aptitude to work independently and collaboratively to drive feasible outcomes under pressure. Looking to leverage web development and database; to create intuitive apps to help people and improve systems. Fluent in English and Spanish.

TECHNICAL SKILLS

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

Developer Programs: Oracle JDeveloper 11g, Visual Basic 6.0, Visual .NET (Web Forms, MVC), Visual C++, Dreamweaver, Oracle Forms, MySQL Workbench, Data Warehouse, Net Logo 4.1.3, Node.js

Geographic Information Systems: ArcGIS 9.3, ArcGIS 10.0, Arc Scene 10.0, ENVI, IDRISI SELVA

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

CSS Frameworks: Bootstrap, Materialize, React.js .

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

Operating Systems: Windows, Linux, MAC OS

Other: Heroku, Git, Bash, Microsoft Office Suite, Adobe Illustrator, DBeaver, Microsoft Visual Studio.

PROJECTS

MB Direct - <https://mbdirect.herokuapp.com/> | <https://github.com/cheranma/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/cheranma/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.

EXPERIENCE

Full-Stack Web Developer Msportswear USA

2018 - present
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/>

General Manager, Co-Owner Msportswear Cia. Ltda ECU

2012 – 2018
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 “Hogar del Ecuador” Foundation

2014 – 2015
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.

EDUCATION

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