



Ivan Nicolas Delgado

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about me

I am a dedicated and passionate technologist with more than a decade of proven experience as a full stack web developer, systems engineer, and network administrator. I love working on technologies from analog circuitry to high-level programming and the occasional graphic design projects.

personal skills

Creativity
Analytical
Teamwork
Communication
Adaptability

technical skills

SQLite XML
AngularJS CSS
Node.js jQuery
Python
Bash Photoshop
JavaScript
Django PHP
HTML Java
SharePoint linux
pandas
Express.js git
MongoDB MySQL
Bootstrap Tomcat
AWS
ReactJS Illustrator
ActionScript MariaDB
Redis Docker
RabbitMQ

work experience

2020 Full Stack Developer

HessJet | Tennessee, USA

2017

- + Architected and developed a web application based on Python and Django that would manage bookings requests and trip planning for private chartered flights in a entrepreneurial venture setting running in AWS and Docker with a microservices architecture
- + Analyzed weather data from NOAA sources with Python and pandas to compile a worldwide winds aloft speed and direction averages based on a 10-year period at various flight levels
- + Developed an aircraft flight simulator that uses aircraft manufacturers' performance data and average winds to calculate accurate fuel burn and travel time to help decide which altitude to fly at in order to reduce trip costs
- + Developed a flight path finding and planning system to create a flight plan to accommodate necessary refueling stops
- + Developed a Vue.js/VueX web form to capture Fixed Based Operator (FBO) fees and prices that would be used for price calculations and airport search filtering during flight planning. The API for the web form was developed with Django REST Framework
- + Developed flight booking form with ReactJS and NodeJS.

2017

Systems Administrator

Fondation Vie et Sante | Lubumbashi, D.R. of Congo

2012

- + Migrated data from aging MS Access registry to newly implemented OpenMRS EMR web app in order to facilitate patient data access across different offices
- + Revamped organization's website and set up CMS to improve online presence and ease content creation and management
- + Installed and configured Ubuntu linux server with SSH tunneling through the organization's gateway and firewall to link to a remote Belgium server for a tele-radiology service
- + Designed promotional pamphlets, banners, and truck signage to showcase organization's services and improve image

2011

Full Stack Developer

Freelancer

- + Developed an online quote and booking system using PHP and jQuery for a private US jet company to facilitate company's and customer's experience and boost company's image through friendly user-centric features; including omnibox airport search based on zip code through Google Maps API or by IATA code, importing of FAA Airport data to site's MySQL database for improved performance, and nearby airports suggestions

languages

English
Spanish
French

2012 Teaching Technology Manager

Southern Adventist University / Tennessee, USA

2007

- + Planned and managed the migration of deprecated university WebCT learning management system and teaching contents to cloud-based Moodle LMS, using PHP to convert WebCT data to an importable format
- + Developed a Django-powered web application in a cross-organizational project for teacher continuing certification resulting in an improved process flow and management
- + Developed several custom web applications that integrated with WebCT and Moodle LMS and helped professors achieve desired functionality
- + Designed and authored departmental SharePoint site providing a unified online presence in accordance with the university's visual standards
- + Installed and configured Mahara ePortfolio open-source web app to facilitate and improve class portfolio project workflow
- + Configured and branded Moodle LMS through CSS to comply with the university's visual standards

education

2007

Southern Adventist University

ABET-Accredited / Tennessee, USA

B.S. Computer Science [Embedded Systems concentration]