Jean-MarkWright

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jaywhy13 **S**

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languages

English

programming

Python, Android, PHP,
SQL, HTML5, CSS,
Javascript, Bash

skills

Software Architect/Developer, DevOps Engineer

experience

2007−Now	**MONA GEOINFORMATICS INSTITUTE** Lead GIS Developer	Kingston, Jamaica

- GK Insurance Portal - Developed online Insurance portal for Grace Kennedy to allow customers to get a quote and purchase Insurance. Portal built using Django, Celery, Tastypie, Redis, Postgres and Chef for deployment via Rackspace.
- Cleanser - Developed online tool using Django to utilize legacy Java library to clean Jamaican addresses. Utilized Celery to build queues to allow express cleaning and batches of address cleaning.
- University Estate Management - extended GeoNode platform to allow Estate developers at the University of the West Indies to visualize infrastructure above and below ground.
- Situational Assessment Tool - built a form-based framework in Django to allow entering and visualization of Incident data.
- Real Estate Map - extended Ace framework to allow visualization of rent and sale prices by community. Map allowed month on month comparison of real estate prices.
- Ace - Built web map framework based on Google Maps to allow internal team of GIS developers to create interactive maps by uploading shapefiles. Framework was built using Django.
- Aggregator - Built web crawler to search local dealer websites for car prices using Django, Elasticsearch and Python Pattern toolkit.
- GK Android - Built Android application to allow customers to view Insurance policies, submit claims, accident photos and search for emergency locations. Backend built using Django and GeoDjango.
- NEPA Climate Change Tool - Developed web-based GIS solution to allow National Environmental Protection Agency to determine feasibility for proposed housing developments (setback line, coastal resource protection). Solution was built using Django, GeoDjango, PostGIS and ArcGIS Server python libraries.
- Vehicle Concierge System - Created fleet tracking system that augments customer location with parish, community and surrounding points of interest. Platform was built using Django, Celery, PostgreSQL, Postgis, Redis, MongoDB, NodeJS, DustJS and Socket.IO.
- Caribbean Risk Atlas - Built a platform using the World Bank's Geonode platform (based on Django and GeoServer) to allow Caribbean nations to upload and share spatial data. Extensions included map previews, country previews, feeds for latest maps and integration of Disqus for comments.
- Integrated Crime and Violence Information System - created Symfony based solution to house information on crime, violence and other violence related injuries and generate reports. System was developed using Symfony, Postgis, Memcache, Zend Lucene and Fusion Charts.
- GasLo - developed Blackberry application to show lowest gas prices based on user proximity. Backend built using Django.
- Cabinet Web Map - lead development of web map using ESRI Library for Flex to show spatial data collected for the Government from public sector and private sector organizations.
- iCampus - Used the OpenZoom project to display map that allows users to view and interact with a map of the UWI campus using Flash and ActionScript.
- Jamaica Social Investment Fund Web Map - Developed web map to show JSIF datasets using the OpenLayers JS API and GeoServer map server.

education

2011–2013	**M.Sc.** in Computer Science (Distinction)	University of the West Indies
2004–2007	**B.Sc.** in Computer Science	University of the West Indies

interests

professional: AI, Machine Learning and Big Data. **personal:** music (keyboard, guitar, choirs)