Jean-MarkWright

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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** Kingston, Jamaica
Lead GIS Developer

- 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 and Postgres.
- 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 - Augmented the OpenZoom project to display map that allows users to view and interact with a map of the UWI campus. This project was built 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

2010–2011 **M.Sc.** in Computer Science (Distinction) University of the West Indies

2004–2009 **B.Sc.** in Computer Science University of the West Indies

interests

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