




# Jean-Mark Wright

Software Engineer

## contact

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## languages

English (primary)


Spanish (basic)


## programming


 .NET (C#)


 Database  
(PostgreSQL, MySQL,  
Redis)


 GraphQL

 HTML (Bootstrap)

 Javascript (jQuery,  
RaphaelJS, ArcGIS,  
ReactJS)

 PHP (Wordpress,  
Symfony, Code Igniter)

 Python (Django,  
Celery, ScikitLearn,  
Fabric)

 Ruby (Chef)

 Typescript

## experience

 JUL 2018 - NOW **Software Engineer, Wave Financial**

**Identity Access Management** - maintained, performed upgrades, resolved issues and contributed to platform decisions and overall architecture for core Identity system

 MySQL  Django

**User Management** - migrated User Management from monolith to Python microservice backend, typescript API exposed via GraphQL.

 MySQL  GraphQL  JS ReactJS  Django  Typescript

**Roles and Permissions** - created new Admin role, introduced staff permissions into backend Identity microservice and integrated permission rule engine for authorizing calls to GraphQL API


 MySQL  GraphQL  JS ReactJS  Django  Typescript

 JAN 2018 - MAY 2018 **Software Developer, GraceKennedy General Insurance**

**Insurance Portal Middleware** - developed Insurance portal module to enable data syncing between online system and core legacy Insurance system.

 JS jQuery  Celery, Django

**IT Bot** - developed internal tool to automate validation of user access to different core applications and reconcile different user accounts across different applications.

 Django, ScikitLearn

**IT Web Service** - built internal APIs to extract user access information from core Insurance system, Active Directory, Microsoft GreatPlains and online Insurance portal.

 C#  Django

**Insurance Portal Cloud Migration** - wrote Chef scripts to migrate and deploy multi-server architecture (Azure) for Online Insurance system.

 Django, Fabric  Chef

 AUG 2016 - DEC 2018 **Senior Web Developer, Toucan Jamaica Limited**

**GraceKennedy Rewards** - developed calculator tool to illustrate how Grace Kennedy's Value Rewards programme works.

 JS RaphaelJS  PHP Wordpress

**Caribbean Vulnerable Communities** - performed code reviews, design guidance and training for application that stores incident reports on vulnerable groups in the Caribbean.

 PHP Code Igniter

📅 SEP 2007 - AUG 2016      **Lead GIS Developer, Mona Geoinformatics Institute**

**Online Insurance Portal** - developed online Insurance portal for getting quotes and purchasing Insurance.

🗄️ PostgreSQL, Redis    🌐 Bootstrap    📄 JS    📄 jQuery    🐘 Celery, Django, Fabric    🔪 Chef

**Climate Change Tool** - developed GIS solution to determine feasibility for proposed housing developments (setback line, coastal resource protection).

🗄️ PostgreSQL    📄 JS    🗺️ ArcGIS

**University Estate Management** - extended geospatial platform (GeoNode) to allow visualization of physical infrastructure above and below ground.

🗄️ PostgreSQL    🌐 Bootstrap    📄 JS    📄 jQuery    🐘 Django

**Integrated Crime and Violence Integration System** - created solution to record crime incidents and allow creation of reports and charts.

🗄️ PostgreSQL    📄 php    📄 Symfony

## education

2011 - 2013      MSc in Computer Science (Distinction), University of the West Indies

2004 - 2007      BSc in Computer Science, University of the West Indies

## side projects

**What You Spend** - a web-based app to track spending and budgets.

🐘 Celery, Django    🗄️ PostgreSQL    🌐 Bootstrap    📄 JS    📄 ChartJS, jQuery

## online



Github: jaywhy13 (<https://github.com/jaywhy13>)



Twitter: kramnaej (<https://twitter.com/kramnaej>)



LinkedIn: <https://jm.linkedin.com/in/jean-mark-wright-59858770>  
(<https://jm.linkedin.com/in/jean-mark-wright-59858770>)



Blog: <http://perspectiveunspoken.com/> (<http://perspectiveunspoken.com/>)

## interests

**professional** AI (Machine Learning, Deep Learning). **personal** music (keyboard, guitar, choirs), writing, speaking.