

# Errol G. Markland Jr.

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Back-end .NET developer working 6 years in a startup environment seeking a security-focused role. Experienced with agile software principles and secure development practices. Able to quickly adapt to changing requirements and software roles.

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## **Skills Inventory:**

**Languages:** C#, Python, Java, PHP, MySQL, JavaScript, C++

**Operating Systems:** Mac OS, Microsoft Windows, Ubuntu

**Software/Services:** Visual Studio, Git, Docker, Redis, Memcached, Fiddler, Burp Suite, AWS (S3, EC2), GCP (Cloud Storage)

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## **Projects:**

### *Article Tracker*

April 2015 - Present

- Tracks articles read around the web and posts results to a specified endpoint
- Currently supports Reddit and Hacker News
- Created using Python

### *Personal PHP ORM*

Dec 2014 - Present

- Rapidly generate consistent object models in PHP by reading database schema
- Currently only supports MySQL.

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## **Education and Certifications:**

### *CompTIA Security+*

Feb 2017

City College of New York, Grove School of Engineering

**New York, NY**

**Bachelor of Engineering (B.E.) in Computer Engineering**

Fall 2011

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## **Experience:**

### **appFigures**

2012 - Present

#### *Back-end Developer*

- Built internal software tools to aid sales team with lead procurement and billing. Wrote software tools to address the data needs of enterprise clients
- Written internal tools to assist customer support with making more insightful assessments and aid developers with debugging core processes more efficiently
- Written concise unit and integration tests to verify correctness of new tools and programs
- Continually strengthen company security stance by patching issues reported in bug tracker, hardening web application surface, and increasing awareness within the company

### **QMedic**

Oct 2015 - Jun 2016

#### *Contract Software Developer*

- Used JavaScript to build a set of browser-based data visualization tools that adheres to the company's proprietary data formats. Tested visual tools using mocha.js and documented used JSDocs
- Built a proof-of-concept Android app to assist with collecting health-related data using Google Wear API while utilizing energy preservation techniques

### **National Institute of Standards and Technology**

May 2011 - August 2011

#### *Summer Undergraduate Research Fellowship at Information Technology Lab, Guest Researcher*

- Web Application Development for Computer Security Metadata

### **City College of New York**

#### *Louis Stokes Alliance for Minority Participation (LSAMP), Undergraduate Researcher*

2010 - 2011

- Mentor-guided research in the field of cryptography

#### *Grove School of Engineering – Journal of Student Research, Web Developer*

2010 - 2011

- Implement the latest articles/magazines relating to research involving the Grove School of Engineering

#### *Software Training Instructor*

2009 - 2011

- Teach software applications and languages from beginner to intermediate skill levels
- Assist people in troubleshooting their software-related concerns
- Earned Employee of the Month, April 2011