Errol G. Markland Jr.

https://errolmarkland.com | https://github.com/emarkland | https://github.com/emarkland00 | errol.markland@gmail.com

Back-end .NET developer working 5 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.

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)

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.

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

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