**Alex Nagel**

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**Software Developer / Information Securities**

*Cyber Security and Privacy* ◼ *Object-Oriented Analysis* ◼ *Design and Development*

* **Innovative full stack developer.** I grasp the full software development lifecycle, from concept to delivery.
* **Versed in the latest cyber security trends.** I spend hours a day reading and studying emerging security threats. Not only is pen testing my passion, but I want to get paid to defend critical infrastructure from hackers and malicious users.
* **Possess analytical skills.** I am able to analyze problems and engineer well-researched, cost-effective and responsive solutions.

**Technical Skillset**

Python, JavaScript, .Net, XML, HTML, TCP/IP, SQL, jQuery, C, C++, Google Apps, AWS, R, Microsoft Office Suite, GIT, A/B Testing, Java, CoffeeScript, Django, Docker, Virtual ENV, Serverless, Microservices, SQL Injection, Pen Testing, Batch, Bash, Linux, Mac, Networking, CSS, Excel, VBA, Macro, Writing Tests, Security+, API Interaction, Machine Learning

**Professional Experience**

**Techranger (Web Developer),** May 2015 to Present – UCF center for distributed learning, Orlando, FL

I provided support, troubleshooting, and consulting for various groups within the University on a variety of areas including but not limited to universal design, accessibility compliance, website design, dynamic website development requiring databases and handling of business transactions among other areas of expertise.

***Accomplishments:***

* Following object-oriented best practices, I implemented an API driven security tool, Lookout, that monitors Canvas privileged user behavior for abuse via a ruleset based machine learning algorithm. By sending a daily report to several team leaders its primary goal is to ensure accountability within the learning environment and University executives can rest easy, knowing their employees aren’t abusing their powers.
* I led the team in entering the world of serverless microservices and other emerging technology. I successfully adapted most of our code to be able to be run on AWS Lambda and still communicate with our vital infrastructure.
* I participated in multiple presentations due to ability to effectively translate user needs into easy-to-understand solutions. I earned multiple awards for my success on the student employee panel.
* Communicated professionally and provided provide course development for faculty and web/application development for the University of Central Florida.

**Freelance Worker,** Aug 2012 to Present – (Ymca, Mashmeyer concrete, fasig design, NWOS, SWCA)

I Assisted in all areas of information technology for various companies overall bettering my skills and enhancing the companies I worked for. ***Accomplishments:***

* Provided user requirements analysis, design and programming support for enhancement of Web application accessed by 5 million users worldwide.
* Fueled additional revenue stream through responsive customer support, generating $18K in new license sales within first three weeks of new product release.

**Education**

University of central florida – Orlando, FL - **Bachelor of Science in Information Technology (BSIT)**

Minor in Secure Computing and Networks – Member of Hack@UCF – President of Racquetball Team – 3.25GPA