Thomas Stephen Palmer

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Summary

I am a young professional based in Sheffield city centre with a keen understanding of several programming languages including PHP, Java, Python and Ruby. I also have proven experience using LAMP servers and several software development frameworks including scrum and waterfall. I am an extremely passionate and driven individual who is always eager to learn new skills while implementing the skills I already have into any situation.

Education

2:1 BSc Computer Security with Forensics Degree - Sheffield Hallam University
D*D*D BTEC Level 3 Extended Diploma Level 3 in IT - NEW College Pontefract
6 GCSEs including Maths, English & Science - The Snaith School, East Yorkshire

Experience & Projects

Rover - "Making Security Information & Events Management More Accessible to Inexperienced Service Users."

For my final year project at Sheffield Hallam I developed a SIEM on an Ubuntu LAMP stack. Several client machines were configured using the 'rsyslog' protocol to send logs to a central server in the form of JSON strings, which were then collated in a MongoDB database.

I then developed a web-interface that would search the log data in real time and flag any potential security threats to the user. SocketIO was used to display to the mongoDB table in realtime and the interface was implemented through the use of several web standards including PHP, HTML5, Javascript and CSS.

The goal of this project was to create a SIEM that would not only function correctly, but would also encourage inexperienced service users to use the software as it was developed with aesthetics and ease of use in mind. This is is why there was an equal focus on the front-end technologies (CSS & Javascript) and the backend systems (rsyslog & mongoDB)

QRadar Backup Script

While working on the SIEM known as QRadar I was asked to develop a script that could be used to automatically backup certain files and folders. I initially developed this as a python script that would call linux bash commands as needed. However, I rewrote the script entirely in Linux bash due to the nature of the programs requirements.

The script would first check for the existence of new data in the specified folder and would return the results of this check in the form of a boolean. If the boolean was positive, a function would be called to compress the data into a tarball file using a custom name string. The file would then be sent via SCP protocol to a remote backup server and an email would be sent to the QRadar administrator containing details of the transfer including what time it occurred & the size of the tarball.

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Linux Bash Master Collection

As I primarily use a LAMP stack to develop and work on projects, I have created a number of bash scripts over the years that help increase the automation of certain processes and the functionality of others.

These scripts are integral to my everyday use of the linux terminal and I keep this collection regularly update on my github

Technical Skills

- PHP
- SQL
- HTML & CSS

- Java
- Python
- JavaScript

- LAMP
- SocketIO
- Ruby

Additional Work Experience

Plusnet PLC   **August 2018 - June 2019**

At Plusnet I provide 1st line technical support to customers who are struggling with broadband and phone issues as well as responding to general account queries such as billing information and contract lengths. During my time there I have been also been trained in a number of different systems including BT Wholesale, Strategic Imperatives, PEGA, Jira and Selenium. I have also introduced several software updates to the backend CRM system in the form of 'Greasemonkey' Javascript files which were widely adopted by other key members of the company.

Satisnet   **July 2016 - October 2016**

During my time at Satisnet I was tasked with using a SIEM known as QRadar to monitor events taking place as well as responding to any outstanding threats to the network that were flagged by the system. After three months I joined the technical support team who were responsible for dealing with any clients that were having trouble with their security products via our online ticketing system or over the phone

St James Selby   **June 2015 - August 2015**

During the summer of June 2015 I was approached by the pastor of my local church to design and implement a new website that could be used to engage with members of the church and the local community. This website can still be found at http://stjamesselby.org

References

References are available on request