

Muhammad Ismail Zam Zam Butt

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SOCIAL LINKS

github.com/mismailzz, [itechack.com/](https://www.itechack.com/), [linkedin.com/in/muhammad-ismail-zam-zam-butt-99505398/](https://www.linkedin.com/in/muhammad-ismail-zam-zam-butt-99505398/)

EMPLOYMENT HISTORY

Mar 2021 — Present	System Administrator, i2c Inc.	Lahore
	<ul style="list-style-type: none">• Design proactive preventive maintenance schedules to prevent unnecessary downtime and hardware faults• Provide comprehensive training to internal users to optimize systems maintenance and resolve recurring issues• Introduce management tools to create and manage virtual server computing environments• Provision of new software and hardware for use according to internal business and security policies• Interact directly with users to diagnose and correct major system issues and address concerns• Resolve trouble tickets and escalated problems with knowledgeable support and quality service• Automate System administration tasks using scripts in Python, Bash, and Powershell	
Aug 2020 — Mar 2021	Associate System Administrator, i2c Inc.	Lahore
	<ul style="list-style-type: none">• Perform Systems Administration of the infrastructure installed globally (US, Canada, Pakistan)• Involve in different ongoing projects and day-to-day tasks• Perform monitoring and provide support to internal and external clients• Work with extended teams to come up with ideas on improving system infrastructure	

EDUCATION

2016 — 2020	Computer Science/Bachelors, Information Technology University	Lahore
2015 — 2016	Pre-Engineering/Intermediate, Government Science College	Lahore

SKILLS

CentOS/RedHat - Linux System Administration	VMware vCenter
Bash Scripting	Nagios and Xymon
Docker	Elastic Stack Fundamentals
Python	Kubernetes Fundamentals
Django	Ansible
Git/GitHub	Puppet
PowerCLI	Protocols: HTTP/HTTPS, DNS, FTP, SFTP, SSH, SMTP, IMAP, POP3, ICMP
VMware-ESXi	

INTERNSHIPS

Sep 2019 — Jun 2020	Student Researcher - FYP, Ebryx (Pvt.) Ltd	Lahore
	<ul style="list-style-type: none">• Analyzed the limitations of Linux Auditd rules, and defined the Sigma rules to capture the suspicious log patterns on the Elastic stack. ElastAlert service was used to generate alerts on the detection of malicious activities• Prepared meeting materials and took clear notes to distribute to stakeholders• Reported back to the instructor to receive day-to-day tasks and responsibilities	

May 2018 — Jul 2018

- Prepared and implemented lesson plans covering required course topics
- Administered approved discipline to create a classroom environment conducive to learning
- Provided motivational lectures to get educational scholarship opportunities

COURSES

Unlocking Information Security: Part I, Tel Aviv
University from Edx

The Bits and Bytes of Computer Networking,
Google from Coursera

Technical Support Fundamentals, Google from
Coursera

Operating Systems and You: Becoming a Power
User, Google from Coursera

PROJECTS

KVsmooth

https://github.com/mismailzz/kvsmooth_dev

VMware ESXi Host Inventory Builder

<https://github.com/mismailzz/VMware-ESXI-host-inventory>

Terminate Xservers idle sessions

<https://github.com/mismailzz/Terminate-X2go-Sleep-Sessions>

Linux Auditd User Interface tool - Version 2

https://github.com/mismailzz/CMAuditd_v2

Linux Auditd User Interface tool

<https://github.com/mismailzz/CMAuditd>

Auditd Logstash Filter

<https://github.com/mismailzz/Auditd-Logstash-filter>

PUBLICATION

Auditd: Rule Writing for better Threat Detection
on *nix Devices

ResearchGate: <https://bit.ly/3atp9hb>

HOBBIES

Social Meet-ups, Cricket, Programming, News