

Harshit Luthra

DEVOPS ENGINEER · SECURITY ANALYST

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"I like my coffee just like my humor; dark, very very dark"

Summary

A Tech nerd who fiddles with Web, Linux, and DevSecOps technologies. I enjoy playing Capture the Flag challenges, My Cyber domains are Web, Crypto, Forensics, and Android. I strive on deep-diving into technology and reverse engineer it to see how it works.

Experience

smallcase

India

DEVOPS ENGINEER

Feb. 2019 - Present

- Maintained OpenVPN, heartbeat, Elastalert, Grafana.
- Setup and Maintained Multi-broker Apache Kafka, and multi-node ELK Stack on spot instances.
- Setup and maintained Multiple Open source tools eg: Wiki.js, Sentry, JFrog Artifactory.
- Replaced Filebeat and Logstash with CNCF-Fluentd for performance benefits.
- Wrote and maintained Ansible scripts for automatic deployments of Infra-tools Eg logrotate, backup scripts, td-agent etc.
- Added Open-source tools on top of Infrastructure to support easy development, such as : Elastic-apm, Kafka-mananger, Kafka-topics-ui
- Restructured CI/CD Pipelines in Jenkins and Code-deploy.
- Migrated to a Mix architecture Comprised of Reserved and Spot instances from On-demand instances To save costs.
- Added Haproxy for supporting GRPC calls on Layer 7 LB.
- Cost Optimisation Tasks, reduced Bill down to 10x .
- Supported a secure proxy via nginx to reach an internal network for Gitlab Webhooks and setup of same on Jenkins.
- Setup of Instance status check Alarms and SES Alarms on Template rendering failures.
- Migration and automated Backups of WP blogs.

Udacity

India

PROJECT REVIEWER-STUDENT MENTOR

Apr. 2018 - Present

- An online certification program for Android developers with previous experience building web or mobile applications in Java or another object-oriented programming language.
- I guided students through the course and reviewed there project submissions.

Utopian.io

Italy

BUG HUNTING COMMUNITY MANAGER

Jun. 2018 - Present

- Review Bugs for many open source projects under the hood of Utopian.io

Skills

Programming C, C++, Java, Python, Kotlin, Bash, Go

DevOps Linux, Docker, Ansible, Jenkins, Kubernetes, Terraform, CloudFormation, Kustomize, Meshery, Vegeta, ELK, AWS, Azure, GCP

Utilities Vim, Git, Android Studio, Gradle

Education

Chitkara University

Punjab, India

B.E. IN COMPUTER SCIENCE AND ENGINEERING

Jul. 2016 - 2020

- Completed Degree with **9.29 CGPA** with specialization in Cyber-Security
- Completed an advanced programme in cyber security and cyber forensics prepared by QuickHeal technologies.

Honors & Awards

HACKATHONS

Sep. 2018 Winner , MSHacks 2.0 - Microsoft Hackathon	<i>LPU, Jalandhar</i>
Mar. 2018 Runners Up , Octahacks	<i>Chandigarh</i>
Mar. 2018 Winner , Code Breakers	<i>CSI Chandigarh</i>
Mar. 2018 Runners Up , SAP Next-Gen Hackathon	<i>Chandigarh</i>
Mar. 2017 Runners Up , Codex C++	<i>CSI Punjab</i>
Mar. 2018 Participant , Hackoverflow 1.0	<i>Tech Invent, CU</i>
Feb. 2018 Certified , Bitcoin Professional	<i>Cialfor</i>
Feb. 2018 Participant , Codeheat	<i>FOSSASIA</i>

Extracurricular Activity

VIRGO Labs

Pisa, Italy

SCIENCE OUTREACH EVENT

Sep. 2018

- Participated in Science Outreach Event under the recommendation of a professor from France.

Explore Fest'18

Chitkara University

WEB DESIGN HEAD

Mar. 2018

- Designed and Developed the webpage for Explore Fest

Cisco Networking Academy

Chitkara University

PARTICIPANT

Jul. 2017

- Participated in Introduction to IOT Course

Certificates

AWS

ASSOCIATE SOLUTIONS ARCHITECT - CERTIFICATION

Aug. 2019 - Aug 2024

- License no K71S1HB13NBEQT5N

Udacity

India

NANODEGREES

2018

- Android Basics Nanodegree
- Intro to Data Structures Nanodegree
- Python Foundation Nanodegree
- Intro to Programming Nanodegree

CEH Certification

Harksh Technologies Pvt. Ltd.

CERTIFICATION

Jun 2015

- Completed the Course for CEH Certification under CEH experts.