MD MASOOD HUZAIF **E-Mail: masoodihuzaifa@gmail.com; Mobile: +91 7411167867**

Summary

-> 3.1 years of IT industry experience.
-> Technical proficiency and intensive experience in OO Python. This includes generic modules to application, communicating with external interfaces from the application, APIs from application to external entity, Parsing JSON and logs.
-> Expertise in design and development of various web and enterprise applications using technologies like OO Python, JSON, and Web Services.
-> Well experienced in Software Testing Life Cycle - Designing, Writing and Executing test cases.
-> Thorough knowledge of UNIX/LINUX.
-> Database Knowledge using SQL, PostgreSQL, RDS.
-> Experience using AWS cloud services - AWS EC2, AWS S3 buckets, AWS Cloud Formation, AWS VPC, AWS RDS.
-> Designed Functional Specification Document, Technical Design Document, Release Document and Code Documentation.
-> Good communication skills, analytical, problem solving, leading and learning skills as well as keen interest in the emerging technologies, excellent team player.

Personal Skills

- Technologies : Python, AWS, Kubernetes, Shell Scripting, GitHub, Java, HTML, CSS, Jenkins, vSphere, SQL.
- Operating Systems : Microsoft Windows (XP, 7, 8, 10), Ubuntu.
- Personal : Strong work ethic, Teamwork, Perseverance.

Professional Experience – Projects & Internship

06-2019 to Present **Tech Mahindra Limited.**

Senior Software Engineer

Client: Infoblox
Title: Tag Management Service (On-going).
Tools: Kubernetes, GitHub, Python, Jenkins, AWS, PSQL.
Description: Multiple teams at Infoblox require functionality which allows them to tag resources for a specific service. The tagging service will run as a kubernetes deployment and will enable the user to serve requests for CRUD operations.
It also supports for filtering, sorting and pagination of resources based on the tags.

10-2016 to 06-2019 **ASM Technologies Ltd.**

Software Engineer

Client: Infoblox
Title: NIOS - (v8.0.0), (v8.1.0, RFE-6407), (v8.2.0, RFE-7216)
Technologies: Python, AWS, Perl, MS Servers, Jenkins**.**
Description: Infoblox NIOS provides high availability for core network services like DNS, DHCP and IPAM (Core-DDI). The Infoblox grid platform ensures the security and efficiency by linking various appliances (like MS Servers, AD Servers) in a single system that is highly responsive and easy to use.
NIOS is the platform built for broadly automated, scalable, on-demand security and compliance.

Title: NGP - (v2.0), (v2.1), (v2.2)

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Technologies: Kubernetes, Docker, GitHub, Python, Jenkins, AWS, PSQL, Mesos Marathon, vSphere**.**

Description: Infoblox provides a cloud native, containerized, PaaS microservices that the next gen data requires. The NGP platform is delivered as a On-Prem and cloud solution, so it deploys in minutes and scales on-demand. NGP uses minimal system resources, so as to breakdown the complex NIOS into smaller microservices collaborting over time.

Title: JANUS - WBR

Technologies: AWS, Python, Kubernetes, Docker, Jenkins, Network Protocol Testing.

Description: Replacing the Cisco Routers with a generic open source hardware called White Box Router (WBR). Investigating the feasibility to use WBR. Managing WBRs via NGP using containerized services and deploying Interfaces, Firewall and BGPD. Representing the performance.

Title: Cluster Monitoring System

Technologies: Python, Boto, Boto3, Flask, Prometheus, Kubernetes, Docker, Jenkins.

Description: It reads the information of flows from a kubernetes cluster and it is difficult to efficiently manage the cluster. So we have developed a script to present the pod(s) status in a cluster, restarts on a pod in a cluster, memory usage of the cluster, bgpd status on a specified node in a cluster. The UI interface is being enhanced with prometheus for several other functionalities.

02-2013 to 04-2013 **HAL-Aerospace – Bangalore.**

Trainee - HAL-Aerospace Division

Title: Desktop Sharing/Remote Desktop Monitoring through Secure Network.

Tools: Eclipse

Language: JAVA

Description: Application Sharing and Desktop Sharing allows sharing any application with one or more people over the LAN. The participants receive the screen-view of the shared application from the server. Their mouse and keyboard events are delivered and regenerated at the server. Application Sharing and Desktop Sharing enables collaborative work, software tutoring and e-learning over the LAN. We have developed an application and desktop sharing platform called ADS which is efficient, reliable, operating system independent, scales well, supports all applications and features true application sharing. It also helps the administrator to monitor his subordinates work by monitoring their desktops. As a proof of monitoring, it captures periodic screen shots and also provides video recording whenever the administrator wishes to record the work done by his subordinates.

01-2013 **HMT Machine Tools Limited - Bangalore**

Trainee-SAP ABAP Consultant

Title: SAP and ABAP Monitoring

Tools: ERP 6.0

Language: ABAP

Description: Job Controller in an application where in which we create Background Jobs and schedule them through ABAP Programing. Creating background jobs and scheduling them using ABAP program. Extraction of the data from the given ZTable.

Ballari Institute of Technology and Management - Bellary.

Title: A Data Collection Protocol with Energy Efficiency and Delay-Aware in WSN.

Tools: Network Simulator Ver. 2

Description: The various researches on open vehicle routing problems (OVRP) endeavour that it is based on same assumptions and constraints as that of wireless sensor network (WSN). Hence, it may be feasible to adapt these techniques so that they will provide valuable solutions to certain tricky problems in the wireless sensor networks (WSN). To determine that this approach is feasible, one data collection protocol is defined that is A Data Collection Protocol with

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Energy-efficiency and Delay-aware in WSN. The design of this protocol is advantageous and proves that the problem formulation in OVR is inherently NP-hard. Therefore, both a centralized heuristic to reduce its computational overhead and a distributed heuristic to make the algorithm scalable for large-scale network operations is defined. It also defines that this protocol to be integrated with compressive sensing, a technique that helps in the reduction of total traffic cost for collecting sensor readings under loose delay bounds. The applications in sensor networks are evolving, so congestion control is an open and, in several cases, a critical issue. Thus two most common approaches are likely to be best for its solution: resource control and traffic control. Each of these two methods presents specific advantages and disadvantages under different scenarios. A dynamic scheme capable of bridging these two methods for congestion control and provide the best solution.

Academia

2013-2015 Master of Technology (Computer Networks and Engineering) - Visvesvaraya Technological University – Ballari Institute of Technology and Management, Bellary, India – Secured *70.16%*.

2009-2013 Bachelor of Engineering (Computer Science and Engineering) - Visvesvaraya Technological University - Rajiv Gandhi Institute of Technology, Bangalore, India - *Secured 68.13%.*

2009 Pre-University Course – (Physics, Chemistry, Mathematics, Computer Science) - Karnataka PU Board Nandi International PU College, Bellary, India - Secured *69.16%*.

2007 SSLC - Class 10th - Karnataka Secondary Education Examination Board – Nandi English Medium High School, Bellary, India - Secured *73.12%.*

Papers Published In Journals And Presented In Conference

[1] Md Masood Huzaif, Rajashree V Biradar, "**IMPLEMENTATION OF A DATA COLLECTION PROTOCOL WITH ENERGY EFFICIENCY AND DELAY WARE IN WSN**", presented and published in International Journal of Research in Engineering and Technology, Volume - 4, Special Issue - 5, May 2015.

[2] Md Masood Huzaif, "**EDAL – AN ENERGY EFFICIENCY, DELAY AWARE AND LIFETIME BALANCING DATA COLLECTION PROTOCOL FOR HETEROGENOUS WSN**", attended and presented in National Conference on Advanced Trends in Computer Science and Electronics at BasavaKalyan Engineering College, BasavaKalyan. May 2015.

Acheivements & Beyond Curriculum

- Cleared the first 2 rounds of the Code-O-Pedia event conducted by the Programmers' Club of RGIT in the year 2010.
- Secured 2nd place in the mini project competition organized by ECORG in RGIT.
- Held the post of Chief Coordinator in the Programmers' Club, a college club (2011 & 2012).
- Had been the Active Organizer of RGIT Tech Fest - Agam2012.
- Held the post of Head Treasurer in the Rotaract District 3190 (2012-2013).
- Took part in initiating and promotion GO GREEN movement in the college premises.
- Being a good vocalist, have presented RGIT in many singing events.

Personal Dossier

Date of Birth : 6th September 1991
Language Proficiency : English, Hindi, Kannada, Telugu.
Interests : Volley Ball, Table Tennis, Cricket, Movies, Music, Trekking.