Krishna Khadka
Senior Software Engineer

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Bengaluru, Karnataka, India ⊙

A productive and detailed individual with the ability to develop an effective and efficient software or solution. Looking for an opportunity to use my skills and experience for the development of the project, where strong project management and analytical skill will be beneficial.

AREA OF EXPERTISE

Software Development · Object-oriented Design · Microservices · Database Management/Architecture · Data Science · Big Data Analytics · Stream Processing · Log Management · NLP · Problem Solving · Shell scripting · Spring Boot and Frameworks · Web APIs · Source Control Management

PROFESSIONAL EXPERIENCE

Senior Software Engineer April 2022 - Present
Micro Focus Software India Pvt. Ltd.
- Development of SaaS based project for Password Management that provides self-service password reset functionalities
- Log management and analysis from various data source applications and created centralized analytics dashboard
- One-click upgrade of the web-application using an upgrade assistant service.

Software Engineer July 2020 – March 2022
Micro Focus Software India Pvt. Ltd.
- Worked on log management and Analytics dashboard with ELK Stack
- CI/CD for Cloud/SaaS models for Identity and Access Management Services.
- Delivered federated single sign-on and supports multi-factor authentication, role-based access control, and data encryption.

Software Engineer Intern January 2020 – June 2020
Micro Focus Software India Pvt. Ltd.
- Prevention of various Network Security Attacks in various parts of product.
- Develop a free DNS certificates issuing client that uses ACME protocol.

EDUCATION

Master of Technology (Data Science and Engineering) 2021-2023
Birla Institute of Technology and Science Pilani, Rajasthan, India

Bachelor of Technology (Computer Science Engineering) CGPA: 8.75 2016-2020
Chandigarh University Mohali, Punjab, India

CERTIFICATIONS and TRAININGS

PCAP-21-03: Certified Associate in Python Programming	2022
Linkedin learning: Apache Kafka Training.	2020
MongoDB: Python Developers, Aggregation Frameworks and Data Modelling.	2020
Linkedin learning: Python Design Patterns and OOPS.	2019
Udemy: Hands on Machine Learning and Artificial Neural Networks.	2019
TCIL-IT: Six Months training in Data Science and Machine Learning.	2018
Google cloud: How Google does Machine learning	2017

TECHNICAL SKILLS

Languages:	Java, Python, Shell Scripting, C/C++, JavaScript
Databases:	MongoDB, MySQL, Oracle.
Operating Systems:	Windows, Linux and MacOS.
Microservices:	Docker and Kubernetes, REST APIs
Machine Learning:	Feature Engineering and predictive Modelling.
BIG Data Analytics:	Apache Hadoop, Spark
Cloud Computing:	AWS, Google Cloud Platform
Front end technologies:	HTML and CSS, Bootstrap
Frameworks:	Spring and Spring boot, Flask, Angular
Log Management:	Syslog, Elasticsearch, Logstash, Kibana
Version Control:	GitHub, Jenkins
Others:	Time Series Analysis (ARIMA), NLP, Geographic Information System (GIS), Apache Kafka, OOPs and Design Patterns.

PROJECTS

Streaming Logs using Kafka and Integration with ELK Stack: 2020-2021
Technologies: Kafka and Zookeeper, Elasticsearch, Logstash, Kibana, syslog
Created an end-to-end pipeline to extract logs data from the product using rsyslog and streaming the logs through kafka and integrated it with Logstash for using it with ELK Stack. This provides the data reliability and secure connection between syslog and ELK.

Let's Encrypt Client for Https Certifications: 2020
Technologies: Java, acme4j (package), JSP, python, flask, acme(python-library).
Created a client to generate free https certificates using Let's Encrypt and acme4j library for implementation of ACME protocol and keep track of the certificates like renewal, revocation etc.

Geospatial Analysis on Starbucks Store Location   2019
Technologies: Python, QGIS, Libraries: Folium and Geo-pandas.
Geocoding of missing location coordinates and Assessment of stores performance on the basis of population, income, age, and other attributes.

REFERENCES

Rohit Singh
Geospatial Data Scientist, Near India Pvt. Ltd.
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