Archana Sonawane

Ontario, Canada

+1 343-553-0015
arch.jovial@gmail.com
www.linkedin.com/in/archana93

SUMMARY OF QUALIFICATIONS

- Master's degree in digital transformation
- Six years of experience in the Information Technology field.
- Extensive experience in managing IT infrastructure capable of handling load of 5000 tps.
- Demonstrated a commitment to professional development by perpetual learning.

EDUCATION

Master of Digital Transformation, Innovation & concentration in Data Science   Sept 2022 – Apr 2024
University of Ottawa, ON
- Relevant Courses: Business Intelligence Technologies and Big Data Analytics, Fundamentals of Applied Data Science, Topics in Artificial Intelligence, Distributed Databases & Transaction Processing

Post Graduate Diploma in Big Data Analytics   Sept 2020- Apr 2021
Centre for Development of Advanced Computing
- Relevant Courses: Big Data Technologies, Advanced analytics, Machine Learning, Data Collection and DBMS

Bachelor of Engineering- Information Technology   July 2011- May 2015
University of Mumbai

PROFESSIONAL EXPERIENCE

DevOps & SRE Engineer (Co-Op/intern)   Sep 2023 – Dec 2023
Nokia, Canada
- Orchestrated containers using Kubernetes, managed Helm charts for application deployments, and maintained a highly available environment.
- Leveraged Terraform to automate infrastructure provisioning and configuration to enhance scalability.
- Utilized Kafka to stream logs from diverse sources, enabling centralized log storage and incident detection.
- Implemented Kafka and Prometheus for scraping metrics providing deep observability into system performance and enabling proactive issue resolution.
- Created monitoring dashboards using Grafana, integrating Prometheus for ensuring system stability.

Systems and Cloud Engineer (Co-Op/intern)   May 2023 – Aug 2023
Solacom Technologies Inc., Canada
- Contributed to system architecture design by providing technical input, leveraging expertise in relevant technologies and best practices.
- Configured and managed cloud-based resources, including virtual machines, storage, and networking components, to ensure optimal performance and availability.
- Proactively identified, troubleshot, and resolved live system issues using problem-solving and analytical skills.
- Collaborated in Agile/Scrum teams to perform operations and work on pending issues by participating in sprints to ensure alignment and on-time delivery.
- Managed Agile project backlogs with JIRA, Git, TRAC clarifying requirements and ensuring timely progress tracking. Collaborated with team members to meet sprint goals and proactively mitigate risks.

Assistant Manager (System)   Jul 2017 – Sept 2022
State Bank of India, India
- Planned and implemented all IT infrastructure related projects of Internet Banking department.
- Performed administrative tasks of user management, system backups, software updates, and system monitoring of three applications hosted on private cloud for Linux, Solaris, AIX operating systems.

- Setting up servers and configured DevOps tools like SVN, Jenkins, HPFortify, SonarQube for three applications.
- Upgraded the WebSphere Application server, IHS with minimal business disruption and ensuring compatibility with the latest features and security patches.
- Spearheaded the successful migration of critical databases, enhancing data accessibility and reliability while ensuring minimal impact on ongoing operations.
- Designed and implemented an automated Backup and DR solution using CommVault solution enhancing overall data resilience.
- Troubleshooting software, hardware, network, and performance issues to ensure 24/7 availability application.

Assistant Software Engineer   Jan 2016 – Jul 2017
Tata Consultancy Services, India
- Designed, developed and implemented software application for web based product using JAVA technology.
- Analyzing the project requirements, developing, and deploying it into the production environment.

Academic Projects

Conversational movie recommender system   Mar 2023
- Built a python based conversation recommender system to narrow the movie selection process from plot of the movie using various machine learning algorithms.
- Attempt to address the cold start problem of recommender systems using explore-exploit approach.
- Technology stack used- Data preprocessing (Tokenization, Lemmatization), Feature Engineering (Bag of Words, TF-IDF, Principal component analysis), NLP Algorithms (K means clustering, K-nearest neighbor)

Friend Recommendation Program   Dec 2020
- Implemented Map-Reduce program to identify common friends among all pairs of users using custom writable.

NLP based Chatbot.   Feb 2021
- Developed a Chatbot to understand, analyze, and extract meaning from speech commands and to respond accordingly. The Chatbot is also designed to generate an automated response to the chat queries entered by the user.
- Technology stack used – Python, NLP algorithm for voice command processing, YAML for data storage and processing.

TECHNICAL SKILLS

- Python
- Linux
- JAVA

- SQL
- Docker
- Kubernetes

- Hadoop
- Spark
- DevOps

- Kafka
- PowerBI
- Prometheus

ACCOLADES

Recognition on exhibit wall by CTO for DevOps implementation, State Bank India, Mumbai   2018
Excellent rating in Learning Program in JAVA technologies, Tata Consultancy Services, Mumbai   2016
Scored distinction class in final year of engineering, University of Mumbai   2015

INTERESTS AND ACTIVITIES

- Anchor for Weekly World Climate Change News YouTube channel.
- Assisted visually impaired students to write their exams.
- Enjoy reading non-fiction books.
- Trained in Kathak (Indian classical dance form).
- Creating designs using Lego.