

ASHOK S

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PROFESSIONAL SUMMARY:

DevOps Engineer with over 3+ years of experience in optimizing and automating development and operational workflows. Expertise in implementing CI/CD pipelines using Jenkins, Azure DevOps, and GitLab for seamless software integration, testing, and deployment. Skilled in managing containerized applications using Docker and Kubernetes, with extensive experience in cloud platforms such as Microsoft Azure and AWS to enhance scalability, efficiency, and cost optimization. Proficient in configuration management tools (Ansible, Chef, Puppet) to automate infrastructure provisioning and ensure consistent environments. Strong analytical skills combined with a deep understanding of DevOps methodologies, Agile/Scrum frameworks, and monitoring tools (Splunk, AppDynamics, Prometheus) for performance optimization and experience in stakeholder engagement, process improvement, and driving operational efficiency through automation, leading to improved productivity and reduced downtime.

TECHNICAL SKILLS:

Languages: Python, Java, R

Web development: HTML, CSS, Bootstrap, JavaScript

Databases: MySQL, PostgreSQL, Microsoft SQL Server

DevOps and Cloud Infrastructure: Azure, AWS, Jenkins, Docker, Kubernetes, CI/CD

Tools & Process: Chef, Ansible, Puppet, Git, Jira, Power BI, Visual Studio, Office 365

Graphic Software: Adobe Photoshop

PROFESSIONAL EXPERIENCE:

AZURE ADMINISTRATOR - Qualitree

Jun 2021 – Jul 2024

- Designed and managed **Linux-based environments** (Debian/Ubuntu) using **Chef, Ansible, and Puppet** for automating infrastructure provisioning.
- I have deployed and maintained **containerized applications** with **Docker, Kubernetes, and Azure Container Registry**, enhancing scalability.
- Architected cloud solutions on **Azure, AWS, and hybrid clouds**, optimizing **resource allocation** and reducing costs.
- Implemented **CI/CD pipelines** with **Jenkins** for automated integration, testing, and deployment across cloud/on-prem environments.
- Managed server hardware (HP, Super Micro) and designed scalable **storage solutions** using **Ceph** and **S3**.
- Developed and enforced **cloud security policies** aligned with **GDPR**, and **HIPAA** standards, focusing on **encryption** and **identity management**.
- Expertise in **performance monitoring** (Splunk, AppDynamics), **networking protocols** (TCP/IP, DNS), and **Agile/Scrum** methodologies.

ACADEMIC PROJECTS:

Analyzing Crime, Enforcement, and Demographics

Mar 2024 – May 2024

- Conducted in-depth research on arrest and crime statistics to uncover underlying patterns and challenges in contemporary crime dynamics using machine learning.
- Applied advanced statistical modeling to analyze arrest rates, crime categories, sociodemographic variables, and environmental factors, guiding the development of effective crime prevention strategies and categorizing impacts on national threat percentages.

Flight-Data-Exploratory Data Analysis-Preprocessing

Jan 2024 – Mar 2024

- Proficient in generating distribution plots (histograms, violin plots) using Pandas, Matplotlib, and Seaborn to visualize flight data by months, days, departure/arrival times, and delays.
- Skilled in creating frequency charts and visualizations of flight frequencies by carrier, origin/destination airport, and airlines, facilitating comprehensive research and understanding of flight patterns and trends.

Blockchain-based Academic Certificate Authentication System

Sep 2019 – May 2020

- Decentralized Web Application for storing and verifying the authenticity of digital academic certificates over the Ethereum blockchain network which is easily accessible from anywhere and can be used by organizations and other entities to verify the authenticity.

EDUCATION:

- Master of Science, Computer Science Engineering | Auburn University at Montgomery, Alabama | Aug 2022 - DEC 2024| GPA: 3.7/4
- Bachelor of Engineering, Computer Science | Visvesvaraya Technological University, India | Aug 2016 - Aug 2020 | GPA:5.9 /10

CERTIFICATIONS:

- Microsoft Certified: Cloud Administrator Associate (AZ-104)
- Microsoft Certified: Azure Fundamentals (AZ-900)
- Microsoft Certified: DevOps Expert (AZ-400)
- Specialized in Artificial Intelligence, Besant Technologies