Chethan P

Software Engineer | DevOps | SRE

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As a Software Engineer with over 2 years of experience and strong expertise in DevOps and SRE practices, I apply reliability-focused systems thinking and data-driven analysis to improve system stability and performance. I have experience working in fintech environments, where I assess risk, understand business impact, and align technical solutions with organisational goals.

SKILLS

Programming Languages : C, C++, Python, Java, JavaScript.
Cloud Platforms: Amazon Web Services (AWS EC2, S3, EKS),Google Cloud Platform, Microsoft Azure (Basic).
DevOps and CI/CD: Docker, Kubernetes, Terraform, Jenkins, Gitops.
Monitoring: Grafana, Prometheus, ELK Stack (Elasticsearch, Logstash, Kibana), Nagios, CloudWatch.
Databases and Servers: Microsoft SQL Server, PostgreSQL, MongoDB, RDBMS, MariaDB, Nginx, Apache, Tomcat.
Web and Application Development: HTML, CSS, Android Development.
Testing and Operating Systems: Selenium Automation Testing, Debugging, Linux, Unix Administration
Non-Technical Skills: Problem-solving and analytical Skills, Communication Skills, Team Collaboration, Time Management, Adaptability, Critical Thinking, Detail-oriented.

WORK EXPERIENCE

Designation: DevOps Engineer - SRE Team Lead   Nov 2024 - Present
Company Name: Cloud2Scale   Bangalore

- Cloud2Scale Solutions helps businesses accelerate growth by providing expert Development, DevOps and cloud infrastructure management services.
- As a DevOps Engineer, engineered and maintained highly available, fault-tolerant cloud infrastructure on AWS and GCP, achieving 99.9% uptime, while leveraging scripting skills to automate routine operations and improve system reliability.
- Experience with Docker for containerization and Kubernetes for orchestration of containerized applications, ensuring high availability and scalability; worked in sync with Ops teams for proactive monitoring and resolution of production issues.
- Deployed a centralised monitoring solution using Grafana, Prometheus, and the ELK Stack, reducing Mean Time to Detection (MTTD) by 30% through proactive alerting on SLIs/SLOs.
- Built Jenkins-based CI/CD pipelines, reducing deployment time from 2 hours to 20 minutes and automated server storage clearance in Motive to eliminate manual intervention. Also skilled in designing, implementing, integrating, and testing complex infrastructure and software solutions.
- Supported release processes by improving workflows, utilising SDLC tools, and ensuring clear communication and timely incident updates across teams.
- Automated 70% of repetitive tasks using Python, Bash scripts, enhancing operational efficiency.
- Authored system documentation and standard operating procedures, improving team knowledge and onboarding processes.

Designation: IOC Analyst (Integrated Operations Center)   Jan 2024 – Sep 2024
Company Name: Q2 Software   Bangalore

- Q2 is a financial technology (FinTech) company that provides digital banking and lending solutions to banks, credit unions, and other financial institutions.
- As an IOC Analyst , I have experience in developing, monitoring and incident management using various software tools to ensure system health and Infrastructure. Implemented observability strategies to increase system reliability by 40%.
- Leveraged OS performance commands and SQL operations to monitor system performance and conduct root cause analysis (RCA) for application and infrastructure issues.
- Execute tests with a focus on delivering high-quality software and produce comprehensive test coverage.
- Explored various tools like PagerDuty, Logic Monitor, Vmware Horizon Client, Grafana, Nomad, Jira and Salesforce.
- Familiar with DevOps tools like Github, AWS and Strong knowledge of AWS cloud services such as EC2, S3.
- Gained good understanding of Scrum principles and Agile methodologies (SDLC).
- Supported change management and release activities, validating deployments and monitoring post-release system behavior.
- Supported server, databases and overall infrastructure maintenance to ensure system stability.
- Maintained accurate runbooks and operational documentation to support on-call readiness and knowledge sharing.

PROJECTS

a) Automation of Web Scraping
- Developed comprehensive web scraping software using Python to automate test case execution and data extraction from websites. Gained Knowledge of testing methodologies and tools.
- The project utilized libraries such as Beautiful Soup, Selenium for test automation, and Pandas for efficient data retrieval and for manipulation, developed with the Flask (Python).

b) Real World Machine Learning Application Development and Deployment
- Developed and deployed a machine learning model to predict startup profits, utilizing various techniques from machine learning algorithms, data integration and AI/ML concepts.

c) Kubernetes (EKS) Zero-Downtime Cluster Upgrade - Executed a zero-downtime upgrade of production Kubernetes clusters (EKS) from version v1.27 to v1.29, ensuring continuity for critical stateful applications.

d) Cost Optimization Initiative: Reduced cloud expenses by 20% through effective resource monitoring and scaling strategies.

CERTIFICATIONS

- **Google Cloud Certified - Associate Cloud Engineer (2025)**
- **AWS Certified Solutions Architect – Associate**
- Currently preparing for AWS Certified Solutions Architect – Associate to strengthen cloud architecture and deployment skills.
- **Aquamanz AI/ML Certification.**
- **NCC 'C' Certificate.**

EDUCATION

Master of Computer Application | BMS Institute of Technology and Management, Bangalore   **2023-2024**
- Grade: Distinction
- Coursework: Software Engineering, Computer Networks, Observability Strategies, Automation, DevOps (Basic).

Bachelor of Computer Application | St. Philomena College, Puttur, Mangalore   **2019-2022**
- Grade: Distinction
- Coursework: Networking Fundamentals, Cloud Computing (Introductory Level), Database Management Systems (DBMS), Linux/Unix Programming, Mobile App Development (Android basics).

OTHER ACHIEVEMENTS

- Led the technical team in organizing and executing a college-level tech event at BMS Institute of Technology and Management, Bangalore - 2024
- Ex – NCC Cadet – Represented Karnataka and Goa NCC directory at National Level during Republic Day Parade – 2020.
- Awarded Best NCC Cadet by the Prime Minister of India and the Chief Minister of Karnataka.