

RAVI KUMAR. B

AWS DevOps Engineer

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PROFESSIONAL EXPERIENCE

IND INNOVATION PVT LTD

CLIENT TCS, Chennai

Software Analyst – DevOps Engineer

2022-Present

- Assisted in the development of CI/CD pipelines with Jenkins, increasing code deployment frequency by 20%
- Implemented containerization for applications using Docker, reducing deployment setup times by 25%
- Monitored system health with Prometheus, leading to a 15% reduction in downtime
- Collaborated with senior engineers to automate infrastructure provisioning using Terraform, decreasing setup times by 40%
- Enhanced security protocols, reducing system vulnerabilities by 30%
- Assisted in building and deploying applications in a cloud environment using Docker, reducing resource usage by 20% owing to enhanced application isolation.
- Executed routine maintenance tasks and patch management, contributing to a 15% decrease in security vulnerabilities across multiple projects.
- Contributed to the development of a version control system using Git, optimizing collaboration across teams and reducing merge conflicts by 25%.
- Excellent skills in applying Continuous Integration and Continuous Delivery.
- Working Experience on **Git, GitHub, Jenkins**. Debugging issues if there is any failure in broken Jenkins build and maintaining Jenkins build pipeline.
- Managed **GitHub** repositories and permissions including branching and tagging.
- Expertise Knowledge in version control system in Git.
- Worked on **Jenkins** by installing configuring and maintaining for the purpose of continuous Integration and for End-to-End automation for all build and deployments.
- Used **Ansible** for configuration management.
- Strong experience on build tools and packaging the source code using maven.
- Working experience on **Docker** containerization tool and deployed various applications to various environments.
- Having basic Knowledge of **Python technologies**.

VIBRA TECHNOLOGIES PVT LTD

PUNE, MH

System Engineer

2018-2022

- Collaborated in a team to launch a hybrid cloud solution, enhancing data processing speeds by 50% and minimizing latency in database access.
- Integrated automated monitoring systems, reducing infrastructure management time by 25% while ensuring system stability across multiple data centers.
- Reduced application deployment errors by 30% through enhancing server automation scripts, leveraging PowerShell and Bash.
- Optimized load balancing strategies, increasing server efficiency and achieving a 15% improvement in end-user response times.
- Optimized server performance using load balancers, reducing response times by 25% and enhancing user experience

- Enhanced security protocols, which resulted in a 50% reduction in security incidents
- Managed server migrations, successfully moving 15 web applications with zero data loss

TECHNO INFO SOLUTION

Chennai, TN

Software Developer

2014-2018

- Develop, test, and maintain .NET applications.
- Collaborate with cross-functional teams.
- Assess business requirements and translate them into technical specifications.
- Design and develop databases using SQL Server.

3I TECHNO TECHNOLOGIES

Chennai, TN

System Administrator

2011-2014

- Promoted to Systems Engineer within two years by demonstrating technical proficiency in system administration and proactive problem-solving.
- Automated routine server maintenance tasks with Python scripts, saving 10 hours of manual work per week and enhancing overall system efficiency.
- Configured and managed network monitoring tools, enabling a 40% reduction in service interruptions and faster issue resolution.
- Supported the migration of 200+ virtual machines to VMware infrastructure, increasing operational efficiency by 25%.
- Managed and optimized 50+ virtual machines, enhancing system performance by 45%
- Implemented security patches promptly, reducing vulnerabilities by 40%
- Developed scripts for automated backups, ensuring data integrity and reducing recovery times by 30%
- Installing, configuring, and maintaining computer systems and servers
- Monitoring system performance and troubleshooting issues
- Ensuring security and efficiency of IT infrastructure
- Managing network servers and technology tools
- Setting up accounts and workstations
- Upgrading systems with new releases and models
- Providing technical support and guidance to users
- Assess system performance and recommend improvements
- Resolving problems reported by end users

EDUCATION

JAYA COLLEGE OF ARTS AND SCIENCE

Thirunindravur, Chennai

MCA -Master of Computer Application

2008-2011

UNIVERSITY OF MADRAS

Chennai, TN

SIR THEAGARAYA COLLEGE

Washermen pet, Chennai

BSc – Bachelor of Science -Computer Science

2005-2008

UNIVERSITY OF MADRAS

Chennai, TN

PROFESSIONAL SKILLS

- **AWS Cloud Services:** EC2, S3, IAM, VPC, RDS, Route 53, Dynamo DB, Cloud Formation, Cloud Front, Cloud Watch, SNS, SQS, Code Deploy, Code Pipeline, ASG, ELB, LAMBDA, AWS CLI.
- **DevOps Tools:** Jenkins, Docker, Splunk, Grafana, Prometheus, Ansible, Terraform, Kubernetes(kops), salt, SonarQube, maven, TRIVY.
- **Testing & QA:** Manual Testing, Functional Testing, UAT Testing, Regression Testing.
- **Language:** ASP.Net, ADO.Net, C#, HTML, CSS, Python basics.
- **Version control:** Git, Git Hub
- **Documentation:** User Manual, SRS Documentation.
- **Methodologies:** Agile, Waterfall
- **Scripting:** Shell, Bash, YAML, JavaScript
- **E Mudhra:** Registration process.
- **Operating System:** Windows & Linux Environment
- **Web Servers:** Apache Tomcat, IIS
- **Bug Tracking Tool:** ALM
- **Test Management Tool:** JIRA
- **Tool:** RPA Automation Anywhere (Robotic Process Automation)
- **Software:** MS-Office, Suite.

CERTIFICATION

- AWS Certified Solution Architect – Associate.
- Advanced RPA Professional – Automation Anywhere.

TRAINING AND COURSES

- Aws, DevOps and Kubernetes in Green Technologies
- AI- DevOps Foundation course in NSDC
- .Net in Payilagam Institute.
- HDCA at Csc Computer Education.
- Udemy -Mastering the basics of Git
- Udemy - CI/CD with Jenkins and Docker.

PROJECTS

- Pipeline AWS 3 Tier Web Application Architecture.
- CI & CD Pipeline (Kubernetes).
- Disaster Recovery (AWS).