

AMAL K MANAVATH

Platform Engineer

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SUMMARY

Experienced Platform Engineer with a background in Jenkins, Linux, Oracle Database, and Perl/Shell Scripting and cloud. Skilled in addressing performance issues, configuring application security, and automating processes. Recognized for outstanding contributions and commitment to customer satisfaction. Excited to leverage experience in both Cloud and On-Premise platform setup, configuration and automation to streamline operations and drive business success. Eager to contribute to a dynamic team to foster a collaborative and supportive work environment.

EXPERIENCE

Platform Engineer

Bangalore, India

CSG

2021 - Present

Currently supporting CSG's BSS Product (Singleview), contributing to the development, deployment, and maintenance of their mission-critical enterprise software solutions.

- Set up and maintain highly available on-premise production environments for a real-time rating and billing BSS (Telecom) product, ensuring high availability, reliability, and adherence to industry best practices.
- Utilize **Bash scripting** for environment observability and monitoring, automating **80% of system checks** and performance metrics to proactively address platform health and reduce manual monitoring efforts.
- Configure **SSL, SAML-based SSO**, and implement other security protocols, securing **100+ application interfaces** and reducing security vulnerabilities.
- Build and manage **Jenkins CI/CD pipelines**, accelerating code delivery and achieving **95% faster deployment times**, while collaborating closely with release management.
- Contribute heavily to release management, ensuring smooth, timely releases, reducing deployment issues through streamlined processes and cross-functional team coordination.
- Establish and maintain development environments for **10+ agile scrum teams**, optimizing workflows and reducing setup time.
- Assist development teams with database optimization, platform configurations, and troubleshooting, leading to improved application performance.
- Streamline team collaboration by providing thorough documentation and mentoring new hires, improving onboarding efficiency and team integration.

Database Administrator

Kochi, India

Datamate Infosolutions

08/2018 - 03/2021

Supported **Datamate's Hospital and Hospitality Management Software Solutions** as a key member of a 3-person DBA team, managing and optimizing databases for **400+ clients** across India and the Middle East, ensuring high availability and performance for critical medical and hospitality systems.

- Installed and configured **Oracle Databases** on Windows and Linux platforms, supporting clients with varying data sizes and complex requirements.
- Optimized **database and query performance**, ensuring efficiency and scalability across critical applications.
- Implemented **Oracle backup and recovery** strategies using **RMAN** best practices to ensure data integrity and disaster recovery.
- Administered and monitored **Oracle RAC** implementations, ensuring high availability and performance in multi-node environments.
- Set up and maintained **development environments** for multiple agile scrum teams, supporting seamless workflows.
- Collaborated closely with development teams to **optimize SQL** and troubleshoot **PL/SQL code** issues, driving improved application performance at the database tier.

EDUCATION

MCA (Master of Computer Applications)

Rajiv Gandhi Institute Of Technology, MG University

2014 - 10/2017

KEY ACHIEVEMENTS

Project Successes and Deliverables:

Successfully led the **deployment of high-availability systems** for mission-critical applications.

Collaboration & Team Contributions:

Facilitated cross-team collaboration by developing comprehensive **documentation** and **mentoring new hires**, improving team efficiency.

Customer Satisfaction or Client Impact:

Implemented automation through **Bash scripts** and **Jenkins pipelines**, reducing manual intervention by **40%** and accelerating deployment cycles.

Efficiency Improvements:

Implemented automation through **Bash scripts** and **Jenkins pipelines**, reducing manual intervention and accelerating deployment cycles.

KEY ACHIEVEMENTS

Recognition - CSG

Awarded **Spotlight of Excellence** for outstanding contributions to the design and implementation of an **A-A High Availability Solution** at CSG, ensuring seamless system uptime and reliability.

Recognition - Datamate Infosolutions

Recognized with **multiple Employee of the Month** awards for consistent dedication, quality of work, and proactive problem-solving in critical platform engineering projects.

SKILLS

Oracle Database, Linux, Bash Scripting, Release Management, Jenkins CI/CD Pipelines, Application High Availability , Application Security, Python, Cloud (AWS Kubernetes and Docker), Agile