Gayatri Rajmane

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gayatri.github.io

Education

Birla Institue of Technology and Science (BITS - Work Integrated Program), Pilani *Aug 2020 - May 2022*
MBA in Business Analytics (9.5/10)   Pune, India

Vishwakarma Institute of Technology (VIT), Pune   *Aug 2016 - May 2019*
BTech in Computer Engineering (8.3/10)   Pune, India

Work Experience

Lead Software Engineer   *Jan 2024 – present*
John Deere   Pune, India

— **Expertise** in designing and implementing reliable, scalable, and secure Cloud Architectures for application migration projects. Achieved significant cost and time savings for global teams, automated AWS resource deployment, implemented CI/CD pipelines, and acted as a Subject Matter Expert for ETL work. Contributions have led to increased customer satisfaction and substantial cost savings.
— Successfully **negotiated vendor** contracts, resulting in a 15% reduction in licensing costs and improved financial terms.
— Demonstrated expertise in **AWS Analytics** (AI-ML/NLP) by implementing automated data analysis workflows for 3 major clients, eliminating 80% of manual work and saving 50 hours per month.
— Build Cloud **Onboarding** Journey on **EdCast** platform, leveraged by 100+ customers to get familiar with AWS Cloud.

Senior Software Engineer   *Jul 2021 – Dec 2023*
John Deere   Pune, India

— Designed and implemented reliable, scalable, and secure **cloud native architectures**for application migration projects, resulting in cost and time savings for 25+ global teams and annual savings of $1 million.
— **Automated the deployment** of AWS resources and infrastructure (EC2, ECS, S3, RDS, Sagemaker (batch/real-time event processing, streaming), Glue, QuickSight (visualization), VPC, etc.) using CloudFormation and Terraform templates, reducing deployment time by 50% and ensuring consistent and error-free deployments.
— **Collaborated with stakeholders**, gathering requirements and proposing solutions that aligned with business needs, resulting in a 20% increase in overall customer satisfaction. That included analytic warehouse solutions, Big Data technologies, real time streaming, performance, and scalability optimizations use cases.
— Acted as the **Subject Matter Expert** (SME) for ETL (Attunity) - DB2 to Cloud Migrations, decommissioning 3 DB2 databases and servers, leading to an annual cost savings of $150,000 and eliminating maintenance overhead. **Managed a Product**, ensuring data integrity and implementing backup and recovery strategies, reducing data loss incidents by 75%.

Software Engineer   *Jul 2020 – Jul 2021*
John Deere   Pune, India

— **Developed Complexity Calculator Application:** Created a Complexity Calculator Application, winning first place in a Hackathon. The application accurately determines the migration period and complexity of applications moving to the Cloud or Cloud-native environments and implemented an UI to backend storage systems resulting in a 30% reduction in migration planning time and improved resource allocation efficiency.
— **ChatBot Creations:** Developed ChatBots (PVA) to promptly address Cloud-related queries and designed a Tractor Design-related Google Analytics (NLP) Chatbot. The Tractor Design Chatbot successfully reduced SNOW (ServiceNow) requests by 80%, leading to an average response time improvement of 50% and increased customer satisfaction. Used Analytics (AI/ML) like Semantic search (NLP), AWS Sagemaker, MLOPS cycle etc.
— **Innovative Cost Savings and Optimization Solutions:** Introduced innovative cost savings and optimization solutions in the Cloud domain, including the implementation of an Instance Scheduler and other automation techniques in Production. These initiatives achieved a remarkable 200% cost reduction, translating to annual savings of $500,000 and improved resource utilization.
— **Mentored Interns and Advised Software Engineers:** Provided mentorship to interns and delivered guidance and support to software engineers within cross-functional teams.

Graduate Engineer Trainee   *Jul 2019 – Jul 2020*
John Deere   Pune, India

— **Solved Cloud Operation SNOW Requests:** Resolved Cloud Operation SNOW Requests with zero downtime and 0 incidents, maintaining a Mean Time to Resolve (MTTR) of 12*7 (24/7) on-call support, achieving a 100% incident resolution rate and ensuring uninterrupted service for critical systems.

- **Managed OpenStack Cloud:** Efficiently managed OpenStack cloud infrastructure across India, US, and Germany regions.
- **Resolved Critical Memory Utilization Issues:** Utilized Linux and Database administration techniques to address critical memory utilization issues in the production environment, improving product stability and reducing memory-related incidents by 80%

Intern   *Feb 2019 – Jun 2019*
John Deere   Pune, India

- **Create Audit Trails and Ensure Compliance:** Implemented robust audit trails to enhance security and ensure compliance with organizational standards, resulting in a 30% reduction in vulnerability incidents and ensuring 100% compliance with security requirements.
- **Database Migration Playbook:** Developed a comprehensive Database Migration Playbook, automating end-to-end migration processes. This playbook reduced migration time by 40% and ensured a 90% success rate for database migrations, improving efficiency and minimizing downtime.
- **Proof of Concept (PoC) for Azure DevOps and Attunity Tool**: Conducted a successful PoC for Azure DevOps and Attunity Tool, resulting in a 50% reduction in deployment time and a 25% improvement in data integration efficiency. These tools are now utilized globally, benefiting multiple teams and projects.

SKILLS

Programming: Java, Python, R language
Cloud Computing: AWS, Azure, OpenStack,
Analytics: Machine Leaning, AWS Analytics, NLP
Web development: JavaScript,React,HTML,CSS
C**ICD:** Azure DevOps, Git, GitHub Actions, Jenkins, Terraform, CloudFormation, Docker
Database Administration: PostgreSQL, DB2, MYSQL,Dynamo DB
Tools: Tableau, PowerBI, Attunity, Jira
Other: Linux, JSON , YAML

CERTIFICATIONS

| AWS Solution Architect Associate

- Hashicorp Certified Terraform Associate 2023

- Gremlin Certified Chaos Engineering 2023

- Azure Fundamentals AZ-900

- Hacker Rank Problem Solving

- CertiProf Lifelong Learning

- Scrum Foundation Professional Certificate

- Scrum Team Member (Scrum Inc.)

- ITIL Foundation Level Certification

- Life skill training by GTT NASSCOM

- Coursera Certified Software Development and Methodologies

AWARDS AND ACHIEVEMENTS

- Product Design and Integration Performer 2023
- Majestic Valor- Above and Beyond Award 2023
- DEI Champion Award 2023
- Star of the Month Award Sept 2023
- SAEIndia Conference 2023 Author
- GenAI Hackathon Winner 2023
- AWS Innovation Champion 2023
- 15+ Star of the Sprint Titles 2023
- Paper Presented for TechConnect Conference 2020, 2021, 2022 (India and China Level)
- WOW Award 2021 and WOW Award 2020
- Innovative Insights Winner - 2021
- Budding Talent Award 2020 - JD India IT