GAYATRI RAJMANE

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WORK EXPERIENCE

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

— Designed and implemented reliable, scalable, and secure **cloud 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, Glue, QuickSight, VPC, etc.) using CloudFormation and Terraform templates, reducing deployment time by 50% and ensuring consistent and error-free deployments.
— Implemented CI/CD pipelines (Github Action, Azure DevOps, Jenkins) for 5 applications, reducing the time-to-market by 25% and enabling frequent and reliable releases
— **Collaborated with stakeholders**, gathering requirements and proposing solutions that aligned with business needs, resulting in a 20% increase in overall customer satisfaction.
— Acted as the S**ubject 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, 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 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
— **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%
— **Selected Paper Presenter at Global India Level:** Presented a full paper at the Global India Level conference, representing India and China. The paper, based on in-depth research and innovative solutions, was selected among hundreds of submissions, showcasing expertise and contributing to professional recognition.

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.

CERTIFICATIONS

| AWS Solution Architect Associate

- 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

EDUCATION

BITS Pilani, Pilani   *Aug 2020 - May 2022*
MBA in Business Analytics   Pune, India
Vishwakarma Institute of Technology   *Aug 2016 - May 2019*
BTech in Computer Engineering   Pune, India

SKILLS

Programming: Java, Python, JavaScript, React
Cloud Computing: AWS, Azure, OpenStack,
Analytics: Machine Leaning, AWS Analytics, NLP
Web development: RESTful APIs, HTML, CSS
CI**CD:** 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

STRENGTHS

— Conflict Resolution   — Team Leadership   — Contract Negotiation
— Risk Management   — Interpersonal Skills   — Process Improvement
— Project Management   — Change Management   — Staff Management

AWARDS AND ACHIEVEMENTS

- Budding Talent Award 2020
- AWS Innovation Champion 2023
- WOW 2020 and 2021 Award
- Paper selected for Cloud Migration Automation (India and China Level)
- Innovative Insights Winner
- 9+ Star of the Sprint
- Diversity, Equity, and Inclusion (DEI) Champion