

SOUMYAKANTA MOHAPATRA

Senior Cloud & DevOps Engineer

Contact: +91-9986046036 | Email: m.soumyakanta@outlook.com

Location: Bengaluru, Karnataka | LinkedIn: [linkedin.com/in/skmohapatra](https://www.linkedin.com/in/skmohapatra)

PROFESSIONAL SUMMARY

Results-oriented IT professional with over 18 years of experience in designing, developing, and delivering distributed and cloud-native applications. Demonstrated success in leading cloud transformation initiatives, architecting secure and scalable microservices, and implementing Infrastructure as Code (IaC) using Terraform and CloudFormation. Skilled in Java, AWS, DevOps practices, and Kubernetes-based container orchestration, with a strong focus on high availability, performance, and observability. Recognized as a DevOps champion, consistently delivering high-impact, production-ready solutions aligned with organizational goals.

CORE SKILLS

- Cloud Architecture | Microservices Design & Implementation | DevOps Strategy & Execution
- CI/CD Pipeline Automation | Agile Methodologies | Security, Governance & Compliance
- Technical Leadership | Global Team Management | Stakeholder Communication & Alignment
- Performance Tuning & Optimization | Risk Assessment & Mitigation | Quality Assurance & Reliability Engineering

TECHNICAL SKILLS

- **Programming Languages:** Expert in Java
- **Cloud Platforms:** Extensive experience with AWS, including architecture, deployment, and operations.
- **Serverless & Container Services:** Proficient in AWS Lambda, API Gateway, ECS, EKS, and Fargate.
- **Scripting & Automation:** Skilled in Bash and Groovy for automation.
- **Infrastructure & DevOps Tools:** Deep expertise in Docker, Kubernetes, Helm, CloudFormation, Terraform.
- **CI/CD:** Proficient in GitHub and Jenkins; experienced in designing and implementing end-to-end CI/CD pipelines.
- **Monitoring & Logging:** Hands-on experience with Prometheus, Grafana, and the ELK stack
- **Frameworks & Libraries:** Proficient in Spring Boot and Hibernate.
- **Operating Systems:** Strong working knowledge of Linux systems administration.
- **Databases:** Expertise in MySQL, Amazon Aurora, and DynamoDB.
- **Microservices Architecture:** Skilled in designing RESTful APIs; experienced with Kafka, SQS, and SNS for event-driven architecture.
- **Project & Agile Tools:** Proficient in Jira, Confluence, and Agile/Scrum methodologies.

WORK EXPERIENCE

SR. CLOUD ENGINEER - Cisco Systems, Bengaluru | Oct'19 - Nov'24

- **Architected and scaled DevOps frameworks** with tools **Git, Jenkins, Terraform, Kubernetes, ELK Stack, and Prometheus**, supporting **80+ teams and 200+ microservices**. Achieved seamless integration, consistent deployments, and enhanced scalability across distributed systems.
- **Optimized CI/CD pipelines** to support **20+ daily production releases**, increasing operational efficiency, security, and deployment velocity by 35% through strategic automation and configuration enhancements.
- **Automated Golden AMIs rollout** and established weekly compliance checks, achieving 99% security compliance in audits without disrupting build promotion processes.

- **Implemented continuous vulnerability scanning** and real-time alerting, reducing security risks by 40% and **improving incident response times by 25%**, fostering a proactive security posture.
- **Enhanced Jenkins configurations** and introduced automated service tagging for dynamic test suites selection, cutting deployment issues by 50% and **boosting build performance by 40%**, thereby accelerating deployment cycles.
- **Established proactive quality assurance processes** such as build throttling to optimize resource utilization in limited testing environments, resulting in improved system resilience, reduced downtime, and greater deployment reliability.
- **Cross-functional collaboration** to align DevOps and cloud initiatives with business objectives, **improving project efficiency by 30%** and fostering a culture of continuous improvement.
- **Drove operational process improvements**, enhancing **team efficiency by 35%**, **decreasing downtime by 20%**, and **increasing release cycle by 15%** through agile workflows and optimized tooling.

SR. MEMBER OF TECHNICAL STAFF - VMWare, Bengaluru | Aug'18 - Sep'19

- **Designed and implemented the next-generation microservices architecture** for the VMware Program Portal, resulting in a 20% reduction in costs and a 30% improvement in performance.
- **Developed and executed migration strategies** by analyzing the existing monolithic system and breaking it down into scalable, logical microservices.
- **Designed and implemented microservices deployment strategy** utilizing rolling updates with canary releases, routing 10% of traffic to new deployments, effectively mitigating risks while ensuring system reliability.
- Streamlined the partner product certification process, **reducing processing time by 25%**, thus increasing agility for future updates.
- Led code and database design reviews, implemented comprehensive testing strategies, **improving code quality** by over 50% and **reducing migration-related bugs** by 40%.

KEY PROJECTS

PROJECT: Cisco Webex Cloud Contact Center | Senior Cloud Engineer | Oct'19 - Nov'24

SUMMARY:

A cloud-based contact center solution designed to transform customer service through AI-driven insights, omnichannel support, and advanced analytics, enabling businesses to deliver seamless, personalized interactions at scale. Key features include AI-powered analytics, advanced routing, integrated collaboration, and robust security, empowering businesses to elevate customer experiences.

CONTRIBUTIONS:

- **Designed and implemented end-to-end CI/CD pipelines**, achieving full automation of continuous deployment and release processes **enabling over 20 daily production releases** across multiple data centers and optimizing deployment workflows.
- Managed and monitored EKS clusters across multiple AWS regions, **achieving 99.99% uptime** and ensuring high availability.
- Implemented monitoring and alerting frameworks to track deployment status and **proactively notify on deployment issues**.
- Established Role-Based Access Control (RBAC) and Attribute-Based Access Control (ABAC) in deployment environments, enhancing security and compliance standards.
- Integrated automated vulnerability scanning and remediation for Golden AMLs, **improving system reliability by 30%**.

TECHNOLOGIES USED:

AWS Cloud, CloudFormation, Terraform, Docker, Kubernetes, Helm, Istio, Spinnaker, Jenkins, GitHub, SonarQube, Kafka, Elasticsearch, Prometheus, Grafana, PagerDuty, Java, Groovy, Bash, Agile.

PROJECT: VMware Program Portal Next Gen | Senior Member of Technical Staff | Sep'18 - Oct'19

SUMMARY:

A next gen application portal that certifies partners' products against VMware products. Once the partner product is certified, it will be listed in the VMware Compatibility Guide (VCG). For product details, customers and partners can refer to the VMware compatibility guide. Once a product is certified by VMware, partners can brand it.

CONTRIBUTIONS:

- **Conducted detailed analysis** of the VMware Program Portal application, assessing its architecture, dependencies, and key modules for migration planning.
- **Decomposed the monolithic application into microservices**, aligning each with specific business domains and bounded contexts for improved scalability and maintainability.
- **Analyzed existing data storage mechanisms** and developed strategies to distribute data across microservices, ensuring data consistency and integrity.
- **Ensured successful migration of microservices to production**, optimizing them for full functionality, resilience, and performance.

TECHNOLOGIES USED:

Java, Spring Boot, Hibernate, RESTful APIs, Microservices, MySQL, Elasticsearch, Docker, Kubernetes, Agile

PREVIOUS EXPERIENCES

SR. SOFTWARE ENGINEER | GE HealthCare, Bengaluru | Apr'13 - Aug'18

SR. APPLICATION DEVELOPER | IBM, Bengaluru, Helsinki | Jan'08 - Apr'13

SOFTWARE ENGINEER | Wipro, Bengaluru | Oct'06 - Dec'07

EDUCATIONS

- Master in Computer Applications | Biju Patnaik University of Technology | 2005
- Master of Business Administration (IT) | Amity University | 2025

CERTIFICATIONS

- AWS Certified DevOps Engineer - Professional | 2025
- AWS Certified Solutions Architect - Associate | 2023

AWARDS & RECOGNITIONS

- Acknowledged for exceptional contributions in enhancing the security of Docker images and successfully implementing security and compliance requirements within the build environment.
- Awarded for key contributions in analyzing usage data and optimizing overage billing processes for agents and IVR systems, improving cost efficiency.
- Recognized for successfully automating the rapid deployment of complex microservices, accelerating delivery timelines.
- Commended for leading the cross-team CI/CD integration efforts, fostering a more collaborative and inclusive development process.
- Honoured for exemplary support in integrating AI virtual assistant solutions into the CI/CD pipeline, significantly improving automation and operational efficiency.

PERSONALITY TRAITS

- Results-Oriented | Customer Focused | Agile Mindset | Adoptable