



Soumyakanta Mohapatra

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ABOUT ME

Visionary IT Professional with 18+ years of expertise in leading the design and development of distributed and cloud-based applications. Proven track record in driving the design and implementation of complex microservices architectures, enhancing agility, scalability, security, and performance.

- **Cloud Adoption & Strategy:** Adept at devising and executing comprehensive cloud adoption strategies aligned with organizational goals.
- **Cloud Architecture Design:** Expertise in designing resilient, scalable, secure, and highly available cloud architectures, optimizing resource allocation, and ensuring business continuity.
- **CI/CD Pipeline Implementation:** Successfully implemented and optimized CI/CD pipelines, improving deployment frequency and reducing lead time.
- **DevOps Leadership:** Led DevOps teams, fostering cross-functional collaboration between development and operations teams to streamline workflows and drive operational efficiency.
- **Global Project Leadership:** Extensive experience in leading distributed projects, working with global teams to deliver robust cloud solutions.

Recognized for strategic leadership and vision, with deep expertise in Java, AWS Cloud, and DevOps architectures, consistently driving innovation and value.

WORK EXPERIENCE

01/10/2019 – 18/11/2024 Bengaluru, India

SENIOR CLOUD ENGINEER CISCO SYSTEMS

Cloud Architecture & DevOps Strategy

- Architected and scaled DevOps frameworks with tools like Git, Jenkins, Terraform, Ansible, Kubernetes, ELK Stack, Prometheus and Grafana, 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.

Security & Compliance

- Automated Docker image hardening during build stages 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.

Performance Optimization & Quality Assurance

- Enhanced Jenkins configurations and introduced automated service tagging for dynamic test suite selection, cutting deployment issues by 50% and boosting build performance by 40%, thereby accelerating deployment cycles.
- Established proactive quality assurance processes such as build locking to prevent resource conflicts in limited testing environments, resulting in improved system resilience, reduced downtime, and greater deployment reliability.

Technical Leadership & Stakeholder Engagement

- 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.

06/08/2018 – 29/09/2019 Bengaluru, India

SENIOR MEMBER OF TECHNICAL STAFF VMWARE

Technical Leadership & Microservices Architecture

- 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.
- Executed deployment strategy for rolling updates with canary releases, directing 20% of traffic to new deployments, effectively mitigating risk while maintaining system reliability.

Innovation & Continuous Improvement

- Streamlined the partner product certification process, reducing processing time by 25%, thus increasing agility for future updates.
- Developed and executed migration strategies by analyzing the existing system and breaking it down into scalable, logical microservices.
- Led code and database design reviews, implemented comprehensive testing strategies, improving code quality by over 50% and reducing migration-related bugs by 30%.

29/04/2013 – 08/03/2018 Bengaluru, India

SENIOR SOFTWARE ENGINEER GE HEALTHCARE

- Led the design and implementation of the Cloud Object Store application, ensuring alignment with strategic goals and technical requirements.
- Collaborated with Product Owners, Solution Architects, and Scrum Masters to optimize project execution, facilitating effective communication and proactive planning.
- Partnered with cross-functional teams to mitigate risks, address challenges, and remove impediments, driving project momentum.
- Implemented code reviews and Test-Driven Development (TDD) practices, fostering high standards of code quality and reliability.
- Mentored and motivated team members, enhancing team cohesion and performance to consistently achieve high-quality deliverables.

08/01/2008 – 26/04/2013 Bengaluru, India

SENIOR APPLICATION DEVELOPER IBM INDIA

- Software design and development that meet functional and technical requirements, ensuring scalability and efficiency.
- Enhance code quality and performance by refining algorithms, optimizing resource usage, and maintaining coding standards.
- Proactively identify, troubleshoot, and resolve software defects, improving reliability and user satisfaction while reducing technical debt.

23/10/2006 – 14/12/2007 Bengaluru, India

SOFTWARE ENGINEER WIPRO

- Assist in Developing and Testing Applications: Contribute to the design, development, and testing phases of Java-based applications, working closely with senior developers and team leads.
- Write and Maintain Clean Code: Follow coding standards to write maintainable, efficient, and reusable code.
- Debugging and Troubleshooting: Identify, analyze, and fix bugs in the code, ensuring smooth application functionality.

● PROJECTS

Cisco Webex Cloud Contact Center

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:

- Architected and deployed 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) in deployment environments, enhancing security and compliance standards.

- Integrated security scanning to block vulnerable images, increasing system reliability by 30%.
- Developed and maintained CI/CD pipelines using Jenkins, supporting 20+ daily production releases and streamlining deployment workflows.

TECHNOLOGIES USED:

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

Link <https://www.webex.com/cloud-contact-center.html>

VMware Program Portal Next Gen

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, MongoDB, Elasticsearch, Docker, Kubernetes, Agile

● EDUCATION AND TRAINING

01/04/2002 – 30/03/2005 Bhubaneswar, India

MASTER IN COMPUTER APPLICATION Biju Patnaik Technical University

Website <https://www.bput.ac.in/>

15/10/2023 – 15/10/2026 Bengaluru, India

AWS CERTIFIED SOLUTIONS ARCHITECT - ASSOCIATE Amazon Web Service

Website https://www.credly.com/badges/fb255df5-06e8-412f-977a-68e4538651b1/public_url