

KATIKI SAMBASIVA RAO



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Senior Platform Engineer | Future Cloud Solutions Architect | AWS Certified Solutions Architect – Associate | Driving Scalable Platforms, Automation & Digital Transformation

PROFILE SUMMARY

- **Serverless Architecture Expertise** – Proven ability to design, implement, and scale serverless platforms on AWS, leveraging services like Lambda, API Gateway, and Greengrass to deliver cost-efficient, resilient, and high-performing solutions.
- **Cloud Infrastructure Leadership** – Skilled in cloud infrastructure management across AWS and Azure, with hands-on expertise in Infrastructure as Code (IaC), containerization, and microservices to build reliable and scalable cloud-native environments.
- **Innovation through Automation** – Spearheaded the development of custom automation frameworks and deployment pipelines (CI/CD), reducing operational overhead & significantly improving deployment speed, reliability, and system performance.
- **IoT & Edge Solutions Delivery** – Specialized in AWS IoT and Greengrass implementations, building robust IoT ecosystems and medical device connectivity platforms that enhanced real-time data processing and analytics for critical use cases.
- **Cloud & Serverless Solution Architecture** - Architected and implemented scalable, event-driven solutions on AWS by leveraging Lambda, API Gateway, and other serverless services to optimize operations and drive automation

WORK EXPERIENCE

Apr'24- Present | MontyCloud Technologies Service LLP | Senior Platform Engineer

Key Result Areas:

- Driving seamless platform upgrades by planning rollouts, executing rigorous testing, and delivering post-deployment support to ensure stability and minimal downtime.
- Developing automation frameworks and custom scripts to eliminate repetitive tasks, enhance operational efficiency, and boost overall team productivity.
- Evaluating and integrating emerging technologies into the platform ecosystem, ensuring a modern, scalable, and future-ready technology stack.
- Designing and delivering serverless features within the MontyCloud platform, enabling end users with innovative capabilities and improved platform experience.

Oct'19-Apr'24 | Amazon Internet Services Pvt. Ltd. | Cloud Support Engineer

Key Result Areas:

- Reduced client downtime by proactively monitoring, diagnosing, and resolving cloud-based issues, ensuring high platform availability and reliability.
- Streamlined deployment processes through the integration of automation tools and DevOps best practices, enhancing efficiency, consistency, and delivery speed.
- Enhanced cloud infrastructure performance by implementing scalable, cost-efficient, and resilient solutions, driving improved system reliability and operational efficiency.
- Delivered end-to-end serverless and IoT architecture solutions on AWS, leveraging expertise in multiple AWS services to design and implement innovative, use-case-driven platforms.

Aug'17-Oct'19 | TCS | Developer IoT

Key Result Areas:

- Collaborated with clients and stakeholders to gather requirements and translate them into precise technical specifications, ensuring solutions aligned with business needs.
- Developed IoT solutions for medical devices by designing cloud architectures, creating dashboards for data visualization, and implementing full-stack web applications to manage device and user data effectively.
- Enhanced team capability and solution quality by upgrading technical skills through training, workshops, and self-learning, collaborating with cross-functional teams for seamless integration of new platform features.

CORE COMPETENCIES

- API Design & Development
- Cloud Infrastructure Management
- Serverless Computing / Serverless Architecture
- Infrastructure as Code (IaC)
- Event Driven & Domain-Driven Architecture
- Microservices Architecture
- Container Orchestration
- CI/CD Pipelines
- IoT Architecture Design & Implementations
- Platform Upgrades & Migration
- Scalability & Reliability Engineering
- Device-to-Cloud Communication
- Proactive Monitoring & Troubleshooting
- Requirement Gathering & Technical Translation
- Cross-functional Team Collaboration

EDUCATION

2017: B.Tech./B.E. (Computer Science) | Gayatri Vidya Parishad College Of Engineering

TECHNICAL SKILLS

- **Cloud Platforms & Services:** AWS (Serverless, Security, Authorization, Greengrass, IoT, API Gateway), Cloud Infrastructure Management, Azure, Azure DevOps, Azure App Services
- **Programming & Development:** Python (Primary), Go Lang, JavaScript, Django, Flask, FastAPI, REST API, API Design & Development, OAuth
- **Databases & Messaging:** MySQL, Redis, ActiveMQ, JMS, SQS, SNS
- **Tools & Ecosystem:** GitHub, Git, Jira, Linux, Visual Studio, Mac and Agile

PERSONAL DETAILS

Date of Birth: 26th Aug 1996 | **Languages Known:** English, Hindi, Telugu | **Address:** Bengaluru-560067