

JOHN SATHVIK MADIPALLI

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PROFESSIONAL SUMMARY

AWS Solutions Architect (Associate Certified) with strong expertise in designing and deploying scalable, secure, and fault-tolerant cloud architectures. Experienced in building 3-tier AWS applications, automation, and full-stack web solutions with measurable business impact. Adept at bridging technical design with client requirements to deliver cost-optimized, resilient systems.

EXPERIENCE

Web Developer | BuiltinTech | Jan 2023 – May 2023

- Co-founded a client-focused web solutions startup; delivered 5+ dynamic websites using Flask, JavaScript, and Bootstrap.
- Deployed applications on cloud hosting, configured domains/databases, and optimized backend security, reducing downtime by 20%.
- Coordinated directly with clients, achieving 100% client satisfaction and on-time delivery of all projects.

QA Intern | Denaurlen | Aug 2022 – Nov 2022

- Performed manual testing on mobile and web applications, identifying key UI/UX issues and functionality bugs.
- Documented defects and collaborated with developers to resolve issues, improving overall application stability.
- Created wireframes and mockups in Figma to suggest design improvements and streamline feature rollout.
- Worked with cross-functional teams to refine features based on testing outcomes, contributing to smoother product releases.
- Collaborated with designers via Figma, reducing feature turnaround time by 15%.

Cloud Intern | AICTE (AWS) | Oct 2021 – Dec 2021

- Completed an 8-week AWS internship ahead of schedule, mastering deployment of scalable cloud applications.
- Implemented hands-on projects in EC2, S3, IAM, and CloudFormation, simulating enterprise-grade cloud environments.
- Developed cost-optimized solutions reducing resource overhead by 25% in practice scenarios.

ACADEMIC PROJECT

AWS 3-Tier Customer Information System | Aug 2025

- Built a secure 3-tier cloud architecture with 99.9% uptime using EC2 (app), RDS (DB), and ALB + Auto Scaling.
- Configured VPC with subnets, Route 53 DNS, ACM SSL/TLS, and SNS/EventBridge for monitoring/alerts.
- Strengthened system security with IAM roles, Bastion Host, and network isolation across layers.

Image Label Generator using Amazon Rekognition | Aug 2025

- Automated image recognition pipeline with Rekognition and S3, enabling real-time image labeling with 95%+ accuracy.
- Integrated AWS CLI and SDK for streamlined workflows, improving data processing efficiency by 40%.

Movement Detection System (Python, OpenCV) | Mar 2023

- Developed a motion detection tool for security/automation; processed video frames with NumPy + CV2.
- Achieved real-time performance at 20 FPS, suitable for low-cost surveillance applications.

PRACTICAL SKILLS

Cloud & DevOps: AWS (EC2, S3, RDS, VPC, IAM, Route 53, ALB, Auto Scaling, EventBridge, SNS, CloudWatch), Oracle

Programming & Scripting: Python, Java, C++, JavaScript, SQL

Databases: MySQL, RDS, Oracle DB

Web Development: Flask, HTML, CSS, Bootstrap, React (basic)

Tools: GitHub, VSCode, Jupyter, PyCharm, Eclipse, Trello

CERTIFICATIONS

AWS Solutions Architect – Associate (2025) | AWS Academy Cloud Architecting & Cloud Foundations (2022) | Azure Fundamentals (AZ-900) | NASSCOM Data Analytics Fundamentals

EDUCATION

M.S. in Information Systems | Saint Louis University | Jan 2024 – Dec 2026 | GPA: 3.8/4.0

B.Tech in Computer Science & Engineering | KL University, India | Jun 2019 – May 2023 | GPA: 3.3/4.0