

Lokesh Burma

SENIOR SOFTWARE ENGINEER

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PROFESSIONAL SUMMARY

Backend-focused SDE with 5 years of experience building and scaling cloud-native SaaS systems. Skilled in designing high-throughput, low-latency architectures with a focus on reliability, performance, and cost efficiency.

WORK HISTORY

SysCloud - Senior Software Engineer

Hyderabad, India
05/2023 - Current

RDS to S3 Table Data Routing

- Implemented backend routing logic for large-scale SaaS product data movement, enabling phased migration behavior while preserving tenant-level data correctness.
- Built state-machine based rollout controls to safely determine storage behavior during transitional data flows and reduce risk during production migration.

Claude Debugger Agent

- Built an AI-powered debugging agent using Claude subagent, with Azure DevOps, Kibana, and DB MCP integrations for automated root-cause analysis.
- Leveraged chain-of-thought prompt engineering to achieve 85%+ accuracy in fix recommendations, significantly reducing manual triage effort.

Failure Classification & Observability

- Led a cross-functional initiative to expand failure classification from 350 to 3,000+ error codes, improving self-service, and reducing support escalations.
- Built retry history tracking and standardized status models, enabling clearer diagnostics, and more actionable failure insights.

SysCloud - Software Engineer

Hyderabad, India
05/2021 - 04/2023

- Microservices Transition: Contributed to the decomposition of a legacy PHP monolith into scalable microservices, improving maintainability, and accelerating deployment frequency.

TECHNICAL SKILLS & TOOLS

Backend Engineering: PHP, TypeScript, JavaScript, Node.js, NestJS, REST APIs, Microservices
Cloud & Infrastructure: AWS, EC2, ECS, Lambda, S3, SQS, FSx, IAM, API Gateway, Route 53
Data & Caching: PostgreSQL, DynamoDB, Redis, Athena
DevOps & Delivery: Docker, Git, CodeCommit, CodePipeline
Observability: Grafana, EFK, CloudWatch, Production Diagnostics
AI-Enabled Engineering: Claude Code, MCP, Langflow, AI-assisted debugging

EDUCATION

05/2025
BITS Pilani, Work Integrated Learning Program
Hyderabad, India

Master of Technology: Cloud Computing

05/2021
Lovely Professional University
Phagwara, India

Bachelor of Technology: Computer Science

CERTIFICATIONS

Amazon Web Services Certified
Solutions Architect - Associate
12/2021