Rahul Mishra

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SUMMARY

Principal Software Engineer with 8+ years of experience architecting and scaling backend systems, desktop applications, distributed systems, and cloud native infrastructure. Proven leader in driving engineering excellence, system performance, cost optimization, and DevSecOps adoption. Passionate mentor and proactive advocate for secure, reliable, and scalable software design.

TECHNICAL SKILLS

Languages: C/C++, Go, Python, Rust

Cloud & DevOps: AWS, Docker, Jenkins, Terraform

Databases & Processing: PostgreSQL, Hive, Redis, DynamoDB

Frameworks & Tools: Django, Gin, Grafana, Looker, OpenTelemetry, Jira, CMake, Bash

WORK EXPERIENCE

Autodesk, Bangalore   Dec 2024 - Present

Principal Software Engineer

- Led a team of 6 engineers to deliver backend services on time by owning agile ceremonies (sprint planning, backlog grooming) and improving release velocity by 50%.
- Advocated best practices in CI/CD, observability and secure-coding, resulting in 40% reduction in post-deploy issues and improved audit compliance.
- Architected a distributed backend system for scalability and cost-efficiency—enabled 3x scale-out and reduced infra spend 25% via optimized service decomposition.

Senior Software Engineer   Nov 2019 - Nov 2024

- Designed a telemetry-based license compliance system that detected 1M+ non-compliant users, enabling targeted enforcement, contributing to 60M+ in recovered revenue.
- Drove secure development practices as the team's Security Champion, aligning with enterprise security goals.
- Built a tampering detection system using secure hashing and telemetry triggers—cut software piracy by 70% across distributed installations.
- Promoted engineering excellence across design, testing, and deployment pipelines.

Attivo Networks, Bangalore   July 2016 - Nov 2019

Software Engineer

- Engineered dynamic deception endpoints used by 100+ enterprise customers for threat detection.
- Reduced CI/CD flakiness by 60% by optimizing Jenkins pipeline steps, improving release confidence and delivery frequency.
- Re-architected legacy system into modular services with improved test coverage, reducing deployment time by 40% and enabling parallel development.
- Mentored junior engineers through onboarding, code reviews, and technical guidance—scaling team delivery velocity by 3x.

EDUCATION

Shri Mata Vaishno Devi University, J&K   Aug 2012 – May 2016

B.Tech. in Computer Science and Engineering | **CGPA: 7.81/10**

AWARDS & CERTIFICATIONS

Applause Recognition – Autodesk
Awarded for key contributions to renewals of client accounts valued at $300 M.

Autobucks Awards – Autodesk
Recognized for leading strategic initiatives that drove measurable business and operational impact.