

SURAJ TRIPATHI

Software Engineer 2

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EDUCATION

JSSATE

Computer Science and Engineering B.Tech

Noida

July 2016 - July 2020

EXPERIENCE

Amazon Web Services | Software Engineer 2

Seattle | September 2024 - Present

- Assisted AWS customers with modernization, achieving 25% cost reduction by optimizing container workloads and leveraging AWS Graviton instances.
- Migrated monolithic applications to microservices, resulting in 30% improved application performance and 40% reduced infrastructure costs.

Amazon Web Services | Software Engineer 2

Bengaluru, India | Feb 2020 - September 2024

- Accelerated customer outcomes through innovative production use of the AWS platform.
- Automated deployment processes, leading to 60% reduction in deployment time and improved reliability.

Digital Alpha Platforms | Software Engineer

Noida | March 2019 - Nov 2020

Implemented CI/CD pipelines, decreasing deployment errors by 50% and enabling faster Time-to-market.

SKILLS

Programming Languages:	Serverless, C++, Python, Java, Node.Js
Libraries/Frameworks:	React, FastAPI, Django, Flask, CI/CD, Devops, Machine Learning, Deep Learning, LLMs
Tools / Platforms:	Git, VS Code, Gitlab, Docker, Kubernetes, Terraform
Databases:	SQL, NoSQL, Redis, MongoDB

PROJECTS / OPEN-SOURCE

Gartner Publishing System Modernization Project:

- Resolved data synchronization issues and implemented secure third-party integration, enabling consistent timestamps and direct authentication.
- Implemented Dead Letter Queues and SNS notifications, removing 100% manual effort for fetching errors and providing near real-time updates.

Takenaka Corp Chatbot Project

- Developed React components and integrated websocket APIs for real-time communication, enabling a seamless user experience.
- Implemented secure authentication and access control mechanisms, enhancing application security.

CERTIFICATIONS

- AWS Solutions Architect Professional
- AWS DevOps Engineer Professional
- AWS Security Specialty
- AWS Solutions Architect - Associate
- AWS Developer - Associate
- AWS SysOps Administrator - Associate

HONORS & AWARDS

- Qualified for IIT-JEE MAINS & ADVANCED 2016
- Containers SME at AWS Professional Services
- Member of AWS serverless TFC