

# Adarsh Kumar

## Full Stack Engineer | DevOps Engineer

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### Summary

Full Stack & DevOps Engineer with 3+ years of experience delivering high-performance software and infrastructure. Reduced deployment time by 60%, improved system uptime to 99.99%, and led scalable feature rollouts impacting 25,000+ users. Proficient in React.js, Node.js, AWS, Docker, Kubernetes, and CI/CD automation.

### Technical Skills

**Languages:** JavaScript, TypeScript, Python

**Frontend:** React.js, Next.js, HTML, CSS, Tailwind CSS, Material-UI

**Backend:** Node.js, Express.js, REST APIs

**Databases:** PostgreSQL, MongoDB, MySQL

**DevOps:** Docker, Kubernetes, GitHub Actions, NGINX, AWS EKS, CI/CD

**Cloud:** AWS (EKS, EC2, S3), GCP

**Tools:** Prisma, Git, ESLint, Husky

### Professional Experience

**Software Engineer**, Softway Solutions (Remote - Bangalore, India) May 2023 – Present

- Achieved 99.99% uptime by deploying production workloads on AWS EKS using Docker containers.
- Cut deployment time by 60% through automated CI/CD pipelines with GitHub Actions.
- Increased code reliability by 40% by enforcing ESLint and Husky pre-commit checks.
- Improved database performance by 30% through efficient MySQL schema design with Prisma.
- Scaled a full-stack SaaS platform to 25,000+ monthly users using Next.js and Node.js.

**Full Stack Engineer**, InviGrid Co. (Remote - USA) Jan 2022 – May 2023

- Reduced data load times by 45% in analytics dashboards using React, Redux, and Auth0.
- Shortened release cycles from 4 days to 1 by deploying CI/CD pipelines on AWS EC2.
- Cut server costs by 20% by migrating to optimized 2-tier AWS architecture.
- Enhanced backend reliability and security by integrating AWS/GCP APIs and Auth0-protected endpoints.
- Delivered robust backend APIs with Express and Node.js, powering real-time analytics modules.

### Projects

**AI-Powered Web Vulnerability Scanner** VulnerShield

- Developed a DevSecOps tool that integrates OWASP ZAP with AI-based anomaly detection.
- Automates discovery of XSS, SQL Injection, and CSRF vulnerabilities across web apps and APIs.
- Generates real-time security reports with prioritized remediation steps; built with Node.js, Python, and Docker.

**Cost Optimization and Security Dashboard** CloudGuard

- Built a cloud monitoring tool that tracks AWS resource costs and security compliance metrics.
- Visualizes budget leaks and IAM misconfigurations with actionable insights using Next.js and Chart.js.
- Integrated with AWS Cost Explorer, CloudWatch, and Security Hub APIs for live reporting.

**Real-Time PDF Collaboration** ByteDialogue

- Engineered a scalable PDF review system using Next.js 13, Prisma, tRPC, Tailwind CSS.
- Enabled contextual discussions and comments by 100+ users with real-time sync over WebSockets.

## Education

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<b>Bachelor of Technology</b> - BCET, Durgapur	2017 – 2021
<b>Higher Secondary</b> - St. Paul's Day School, Kolkata	2015 – 2017

## Certifications

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- Machine Learning A-Z (Udemy)
- Web Dev Bootcamp (Coding Blocks x Nagarro)
- Azure AZ-400 (In Progress) | AWS DevOps (Planned)