

Tanuj Das

DevOps Specialist & AI Platform Engineer

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ABOUT

DevOps Specialist and AI Platform Engineer with over 8+ years of progressive experience in architecting, optimizing, and securing highly scalable cloud infrastructure and advanced Continuous Integration/Continuous Deployment (CI/CD) systems. Proven expert in integrating Generative AI (GenAI) across the software development lifecycle, having spearheaded the design and operationalization of a comprehensive AI-SDLC model that significantly boosts development efficiency and consistency. Adept at owning and managing critical enterprise platforms for microservices hosting and automated rollouts, ensuring seamless integration of AI capabilities and robust system performance. Instrumental in driving digital transformation initiatives, achieving a 25% reduction in system vulnerabilities and accelerating deployment efficiency by up to 30% for high-stakes enterprise and consumer products.

EXPERIENCE

DevOps Specialist - AI Platform Engineer

Amdocs | Apr 2021 - Present

- Architected and optimized robust Continuous Integration/Continuous Deployment (CI/CD) pipelines for two critical enterprise and consumer products on OpenShift, Jenkins, Nexus, and Bitbucket, boosting deployment efficiency by 30% and accelerating feature delivery cycles.
- Spearheaded automation initiatives that resulted in a 90% reduction in production system errors and significantly improved application scalability, directly enhancing platform reliability and user experience.
- Pioneered the development and operationalization of a comprehensive AI-SDLC model with four pillars—requirements, architecture overview, vibe coding, and verification—to ensure safe, consistent, and efficient integration of Generative AI (GenAI) across the software development lifecycle.
- Owned and managed the internal Microservices Container Platform (MCP) for hosting, packaging, and Continuous Delivery (CD)-based rollout, empowering developers to seamlessly integrate and deploy AI capabilities into daily workflows.
- Implemented advanced security measures and robust infrastructure protocols for cloud environments, reducing system vulnerabilities by 25% and maintaining exceptional high availability (99.9%) of critical production systems.
- Orchestrated end-to-end project management for complex deployment and migration tasks, achieving 100% on-time execution and ensuring seamless system integrity while collaborating with cross-functional teams.

DevOps Engineer

ConvergeSol Pvt. Limited | Feb 2021 - Mar 2021

- Spearheaded the development and deployment of a crucial security product leveraging Packer and AWS Inspector, reducing system vulnerabilities by 20% across enterprise applications.
- Streamlined debugging workflows and collaborated closely with product owners, cutting production system error resolution time by 15% and minimizing operational risks.
- Automated comprehensive security compliance checks, enhancing overall system robustness and ensuring a secure environment for sensitive data and critical business operations.

DevOps Engineer

Jumpstart Filings | Nov 2020 - Jan 2021

- Implemented Docker and Kubernetes for advanced application containerization, accelerating software delivery cycles by 25% and significantly improving resource utilization.
- Developed and automated Continuous Integration/Continuous Deployment (CI/CD) pipelines using Jenkins and Docker, streamlining the build and deployment process to reduce manual effort by 40% for new feature releases.
- Configured and managed container orchestration platforms, ensuring high availability and scalability for critical business applications during peak loads.

Software Engineer

Nisum | Jul 2018 - Nov 2020

- Researched and proposed innovative software solutions leveraging emerging cloud technologies (e.g., AWS services), leading to the adoption of new methodologies that improved system efficiency by 10%.
- Deployed and managed critical applications on AWS (Amazon Web Services), ensuring 99.5% uptime for high-traffic consumer-facing services.
- Collaborated cross-functionally with Quality Assurance (QA) teams and stakeholders, ensuring deployed software met rigorous testing criteria and project timelines, enhancing overall product quality and delivery speed.

SKILLS

Cloud Platforms: AWS (Amazon Web Services) ·

DevOps & CI/CD: Continuous Integration/Continuous Deployment (CI/CD), DevOps Principles, Jenkins, Microservices, Automated Rollout, Release Management ·

Containerization & Orchestration: Docker, Kubernetes, Container Orchestration ·

AI & Generative AI: Generative AI (GenAI), Large Language Models (LLMs), Prompt Engineering, AI-SDLC Model ·

Infrastructure as Code (IaC): Terraform · Version Control: Git, Bitbucket · Artifact Management: Nexus ·

Security: AWS Inspector, Cloud Security, Vulnerability Management, Security Compliance ·

Scripting & Automation: Shell Scripting, Groovy, YAML · Monitoring & Observability: Grafana ·

Project Management & Collaboration: Agile, Scrum, Jira, Confluence, Project Management · OpenShift

EDUCATION

B.Tech/B.E., Electronics/Telecommunication

Dr. A.P.J Abdul Kalam Technical University | 2018

CERTIFICATIONS

Certified Kubernetes Administrator (CKA)

HashiCorp Certified Terraform Associate

AWS Certified GenAI Developer