Dheeraj jha

Sr DevOps Engineer, Software development lead

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🪪 Profile overview

As a DevOps Engineer, I offer streamlining of infrastructure automation, CI/CD pipelines, and cloud migrations to enhance deployment efficiency and system reliability. With expertise in Terraform, Docker, Python scripting, and monitoring tools like Prometheus, I optimize workflows, reduce operational overhead, and drive scalable, high-performing solutions for businesses.

🧠 Skills

Devops tools — *Ansible, Jenkins, Gitlab-CI, CI/CD, Terraform, Code-deploy, Docker, Kubernetes*

AWS — *RDS, EC2, Cloudfront, ELB, SES, SNS, SQS, API Gateway, Lambda, LightSail, AWS CLI, AWS SDK, IAM, Cost management, SDKs and AWSCli*

Scripting Languages — *PHP, Laravel, Codeigniter3, Python, Bash/Shell*

Databases — *MySQL, MongoDB, Redis*

Observiblity — *ELK, Prometheus, Grafana, Cloudwatch, OpenSearch*

Other skills — *Git, Bash, Python, Networking concept, Firewall/IP Tables, DNS, Routing concept, Apache, Nginx, Pm2,*

🧠 Experience summary

- **CI/CD Mastery:** Implemented range of CI/CD pipelines and automation tools such as GitHub Actions, GitLab-CI, Jenkins, and AWS CodeDeploy.
- **Infrastructure Automation:** Proficient in using Terraform for automating infrastructure setup, configuration, and application deployment.
- **Docker and Container Management:** Hands on and practical experience in containerising applications, managing dependencies, packaging, and deployments.
- **Application Monitoring Knowledge:** Solid understanding of monitoring, alerting strategies, and log analysis with tools like Prometheus and grafana.
- **System Design Expertise:** Proficient in creating scalable designs for diverse applications, from mobile apps to complex dashboards, from prototyping to scaling.
- **Innovative Approach:** Emphasis on simplifying complex challenges and automating routine tasks to enhance solution-oriented strategies.
- **Leadership and Cross-Functional Communication:** Over five years in leadership roles, managing teams of 15+, with strong skills in cross-functional team communication and project management.
- **Age of AI :** Specifically learnt and laveraging AI for optimising devops process resulting in enchanging productivity and accelerating delivery timelines. Completed AI Certification on Organisation's skill platform.

💼 Professional Experience

Sr System Engineer, *EPAM Systems*   07/2024 – present │ Remote, IN

Working on Various technology including Kubernetes, Docker, AWS and CI/CD.
- Levarging AI for devops planning, use case study and finding optimised solution.
- Working with devs to dockerise existing app and publish on kubernetes infrastructure.
- Using EKS, ECS for managing kubernetes cluster, deployment and automation.

Devops consultant, *Anant Technologies*   10/2023 │ Remote, US

Role
- Designed high-level and detailed system architectures, including traffic and cost estimates.
- Planned and implemented CI/CD pipelines using Infrastructure as Code (IaC) and managed version control with Git.
- Collaborated on the interface development and infrastructure setup of an AI-based patient management app, integrating ChromaDB and OpenAI. Managed the CI/CD pipeline to ensure seamless deployment and updates

Achievements:
- **Curated DevOps processes** for various clients, **improving delivery** times **by 80%**.
- **Automated** deployment processes using **Jenkins**, reducing **deployment** times by **80-90%**.
- Setup monitoring tools, **automated recovery and setup zero downtime infrastructure**.

DevOps Engineer and Tech lead, *Reevalo SaaS*   2021 – 2023 │ Remote, FR

Role:
- Coordinate daily with the Product Owner and cross-functional teams to understand the evolving product.
- Set up an efficient infrastructure for the team to handle tasks like data scraping, transformation, and cleaning.
- Identify team pain points and develop tools and solutions to boost their performance and efficiency.
- Plan and create dashboards with API integration to monitor servers and over 100 machines and processes.

Achievements:
- Performed cloud **migration** from **on-prem to AWS Resulting** in **higher availability** and **scalablity**.
- **Reduced Cloud expenditure** by **40-50%** during process scaling through **optimisation of both cloud infrastructure** and internal processes.
- **Significantly reduced 95% of the time** by fully **automating the data processing** from source to destination across various process and applications, **reducing process lifecycle** from **30 days to 1 day**.
- **Crafted** a customised **process management tool** using **Python and Bash** to streamline diverse scraping operations and **gather metrics via APIs**, ultimately **achieved full automation of hundreds of pipelines**.
- **Developed central dashboards** using Codeigniter framework resulting in **visualising custom data-sets** from 10+ different processes, thus being single **transparent dashboard** for entire IT process.
- Worked with Developer team to guide on **API Optimization** to **reduce latency**.

Lead Developer, *CTE International pvt ltd*   08/2017 – 12/2020 │ Gurugram, IN

Role:
- Collaborated daily with the business owner to understand requirements and propose features.
- Organized and lead the teams consisted of backend, frontend, UI/UX, and mobile developers to streamline workflows.
- Streamline the deployment process, server management, and alerting to maintain 99.99%+ uptime, managed finops.

Achievements:

- **Scaled up eCommerce & B2B** platform by **optimising traffic** and speed by multiple factors using AWS resources.
- **Streamlined Deployments**, **scaling out** and scaling up of application, used various services of AWS to **diversify monolithic application** into various managed services.

Fullstack PHP Developer,   12/2015 – 08/2017 | Gurugram, IN
Incisiv.io(Formally Winculum services)

- **Achieved potential savings** of **hundreds of work hours** per month by engineering a multi-tier research tool, **resulting in a 5x increase in monthly customer delivery** capacity.
- **Orchestrated** and managed **Devops process of internal tools**.

Fullstack PHP Developer, *Netmaxims Technology*   05/2015 – 12/2015 | Faridabad, IN

- Developed Multiple In-house tools for improving productivity and libraries to speed up the development/coding process by 30%, Improved system design to scale up the system.
- Improve **cloud migration** of website with heavy dataset and with **zero downtime**.

Talk and workshops

How to Scale up and Out your Laravel App,   04/2024 | Jaipur, IN
LaravelLive Jaipur ⧉

Publications

Understanding deployments and StatefulSet: Kubernetes for beginners, *Medium* ⧉

Understanding Asset & Risk model in Cyber security, *Medium* ⧉

Understanding kubernetes components: Kubernetes for beginners ⧉

Organizations

Laracon India, *Core Organising team member* ⧉   2023 | Ahmadabad, IN
Proudly contributed as core team for Laracon - One of the largest Laravel events in 2023

LaravelLive Delhi, *Volunteer and Organiser* ⧉   2018 – present
Organising and volunteering LaravelLive Delhi - A satellite community of Laracon India along with Helping expanding community in north India.

Education

Bachelor of Technology - Computer science, *Kurukshetra university*

Certificates

- HashiCorp Certified: Terraform Associate 2025 ⧉