

Dheeraj jha

Experienced DevOps & fullstack dev with 9+ YOE

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Skills

Devops and 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

Observability — ELK, Prometheus, Grafana, Cloudwatch

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

Professional Experience

Devops consultant, Anant Technologies

10/2023 | Remote, US

Role

- Coordinate with the Product Owner (PO) and clients to identify product requirements, user types, and business compliance needs.
- Design both high-level and detailed system architecture, including traffic and cost estimates.
- Plan continuous integration/continuous delivery (CI/CD), delivery schedules, and reporting and monitoring channels.
- Implement the plan using Infrastructure as Code (IaC) and manage versions with Git.
- Create clear documentation covering all procedures and details of the tech stack and servers.

Achievements:

- **Setup Devops Process** curated for various client, resulting in **80% improving in delivery**.
- Used **Jenkins** to automate deployment process of various cloud based apps, **improving deployment time by 80-90%**.
- Setup monitoring tools, **automated recovery and setup zero downtime infrastructure**.
- Developed POC of **custom GPT using ChromaDB, OpenAI, Speech to Text** to achieve AI based Patient management app.

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 **scalability**.
- **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:

- Work with the business owner in the UK on a daily to weekly basis to understand their requirements and suggest features and modules for implementation.
- Organize teams of backend, front-end, UI/UX, and mobile app developers to streamline the process flow.
- Set up infrastructure on AWS for the startup ecosystem, balancing cost and efficiency through system design, code optimisation, and DevOps tools.
- Streamline the deployment process, server management, and alerting to maintain 99.99%+ uptime.

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(Formerly 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

- Planned and 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**.

Experience summary

- **CI/CD Mastery:** Comprehensive understanding 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.
- **Cloud Migration Skills:** Experienced in both greenfield and brownfield cloud setups, including migrations and phase-wise expansions.
- **Advanced Scripting and Automation:** In-depth automation capabilities using Python and Bash for managing application stacks and lifecycles.
- **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.
- **Comprehensive Development Experience:** Over 9 years of end-to-end product development lifecycle experience, enhancing broad technical understanding.

Talk and workshops

How to Scale up and Out your Laravel App,
LaravelLive Jaipur 


04/2024 | Jaipur, IN

Publications

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

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

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

Education

Bachelor of Technology - Computer science,
Kurukshetra university

2010 – 2014 | Ambala, IN