

# Kanav Singla

Senior DevOps Architect with 9 years of hands-on experience in architecting, implementing, and optimizing cloud solutions. Recognized for driving innovation, fostering cross-functional collaboration, and optimizing system performance to deliver scalable and reliable solutions. Expert in scalable systems, configuration management, and continuous improvement of release processes.

## CORE COMPETENCIES

- **CI/CD Pipeline Development:** Extensive experience in designing, implementing, and managing CI/CD pipelines using tools such as Jenkins, Azure DevOps, and AWS CodePipeline.
- **Automation:** Skilled in automating build, test, and deployment processes to increase efficiency and reduce errors using scripting languages such as Python, Bash, and Go.
- **Release Management:** Expertise in planning, scheduling, and coordinating software releases, ensuring alignment with business goals and minimizing downtime.
- **Collaboration:** Strong ability to work with development, QA, operations teams, and stakeholders to streamline processes and resolve issues effectively.
- **Scalable Systems:** Designed and implemented scalable cloud architectures on AWS and Azure.

## EXPERIENCE

### Senior Member of Technical Staff - Athenahealth Technology

June 2022 - Present, Bengaluru

- Leading the design and implementation of highly scalable and resilient CI/CD pipelines using Azure ADO(Bicep, ARM, Yaml) optimizing software delivery processes.
- Architected and managed multi-cloud environments on AWS and Azure, leveraging Infrastructure as Code (IaC) principles with Terraform.
- Leading the cross-tenant migrations to bring all tenants under 1 managed account.
- Designed and implemented a microservices architecture on AWS ECS and Kubernetes, leveraging service discovery, auto-scaling, and blue-green deployment strategies to ensure high availability and fault tolerance.
- Developed custom automation scripts and integrations using Python and Bash to streamline infrastructure provisioning, configuration management, and deployment workflows.
- Conducted regular performance tuning and optimization of cloud resources, including computing, storage, and networking, to achieve cost savings and maximize resource utilization.
- Oversaw the entire release management process, successfully deploying over 100 software releases with zero critical post-release issues.
- Managing Cost optimizations for various projects, managed to reduce \$5k per month.

### Senior DevOps Engineer - Hitachi Vantara

April 2021 - May 2022, Bengaluru

- Managed infrastructure for AI-based apps between on-prem and cloud.
- Played a key role in managing Linux servers running Apache and Nginx, ensuring optimal performance and security.

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## SKILLS

- Kubernetes
- Terraform
- Docker
- AWS
- Azure
- Git, Gitlab
- Apache Kafka
- Linux

### Scripting

- Python
- Bash
- Go
- PHP

### CI-CD

- AWS Code Pipeline
- Azure ADO
- Argo CD

### Databases

- MySQL
- PostgreSQL
- Managed DBs
- Cassandra
- MongoDB

### Monitoring

- Prometheus
- CloudWatch
- Grafana

### Other

- Agile Scrum
- Jira
- Confluence

## Linkedin

<https://www.linkedin.com/in/kanavsingla/>

## LANGUAGES

English, Hindi

- Delivered more than 5 projects on Kubernetes and managed multiple K8s On-Premise Apps with fortnight deployments.
- Implemented Automation of CI-CD and Dockerization on AWS Pipeline using CodeBuild, CodeDeploy, CodeCommit, ECR, EC2, and Bash Scripts.
- Designed and implemented robust CI/CD pipelines using ADO, reducing build and deployment times by 40%.
- Managed the DockerFile and Docker-Compose for more than 50 applications.
- Achieved cost savings of \$300 per month by adjusting a few resources in the existing infra.
- Managed AWS cloud services including ECS, Fargate, RDS, S3, and CloudWatch, leveraging Infrastructure as Code principles with Terraform and Ansible.
- Orchestrated containers using Docker and container orchestration technologies, ensuring scalability and resilience of containerized applications.

### ***DevOps Engineer - Publicis Sapient***

January 2019 - March 2021, Gurugram

- Automated the process of report generation using Python and Jenkins.
- Implemented Disaster Recovery using Terraform.
- Managed deployments on Docker and Kubernetes.
- Automated multi-tier cache clear process using Ansible.
- Created containerization and deployment process across different environments - Dev, Stage, Pre-Prod, and Prod.
- Wrote scripts to automate daily tasks using Python and Bash.

### ***Full Stack Web Developer - Prologic First (Acquired Urbanwand)***

Aug 2016 - Dec 2018, Gurugram

- Created CMS for Restaurants and Hotels.
- Contributed at every stage of the project's development, design, testing, and deployment.
- Implemented distributed MySQL Database with On-Prem and Cloud.
- Integrated third-party apps and payment gateways.

### ***Software Developer - Cal Info***

Aug 2015 - July 2016, Remote

- Delivered multiple projects on PHP-Codeigniter.
- Worked on BigQuery and Nagios.

## **EDUCATION**

### ***Bachelor of Technology (Computer Science) - Kurukshetra University***

August 2011 - July 2015