

Sandeep Varma

SUMMARY

- DevOps & Cloud Engineer with 3+ years of experience in infrastructure automation, CI/CD pipeline design, and Kubernetes-based microservices deployments on AWS. Backed by 7+ years of experience in full-stack development and delivery of scalable web applications.
- Proven ability to improve reliability, reduce cloud costs, and enhance deployment velocity.
- Adept at working in agile teams, handling end-to-end DevOps lifecycle, and supporting multi-account cloud environments.
- Managed many applications end-to-end from planning and development to deployment and automations.

TECHNOLOGIES

Cloud Platform Amazon Web Services (EC2, Lambda, EMR, S3, RDS, OpenSearch, ELB, IAM, Route53, EBS, EKS, ECS, ElastiCache, DocumentDB, DynamoDB, CloudFront, etc.)

Infrastructure As Code Terraform, TOFU

Containerization & Orchestration Docker, Kubernetes, Helm

Monitoring & Logging Prometheus, Grafana, ELK Stack, EFK Stack

Scripting Python (Lambda Functions), Bash, YAML

CI/CD Jenkins, TeamCity, GitLab CI, GitHub Actions

Other Tools Vagrant, Ansible, Deploybot, Gearman, Nexus

Version Control Tools Git (GitHub, Bitbucket, GitLab), SVN

Frontend Development HTML5, CSS3 (Tailwind, Material UI, Bootstrap), jQuery, ReactJS

Backend Development PHP, Laravel Framework, Lumen

Operating Systems Linux (Ubuntu, Amazon Linux), Windows

EMPLOYMENT

Nov 2023 – Present

ASSOCIATE DEVOPS ENGINEER - MASSCOM CORPORATION (MULTIPLIER) -

REMOTE

- Reduced AWS costs by 30% through intelligent use of **auto-scaling**, **spot instances**, and **reserved instances**.
- Improved deployment speed by 50% by automating pipelines using GitLab CI/CD.
- Worked on infrastructure automation and security operations for a high-scale platform running on AWS.
- Implemented tagging for granular cost tracking and governance.
- Designed and managed scalable **Kubernetes clusters using EKS**, supporting microservices and data pipelines with high availability.
- Built and maintained reusable **Terraform** and **Helm** modules to provision infrastructure across **10+ AWS accounts**, enabling centralized IAM, tagging, and cost optimization.
- Implemented **self-managed Apache Kafka on EKS**, automated configuration and scaling with Terraform and Helm.
- Setup and managed **Apache Druid, Superset, Airflow and Trino** on EKS based infrastructure.
- Developed CI/CD integrations for **Airflow DAGs (on EKS)** to automate data pipeline validation and deployment.
- Enhanced observability using **EFK stack** (Elasticsearch, Fluent Bit, Kibana) and **Grafana** dashboards for centralized logging and monitoring.
- Secured infrastructure by managing secrets with **AWS Secrets Manager**, and performed non-disruptive upgrades on RDS, EKS, and ElastiCache clusters.
- Managed **Okta** hub and spoke model to use single sign-on for all the applications.

- Helped with UI component development and fixes (**ReactJS**) and fixed issue with **PHP** & **Laravel** related projects.

Tools & Technologies:

Cloud & Infra: AWS (EC2, EKS, Lambda, RDS, S3, CloudFront, Route53, VPC, EBS, IAM, DocumentDB, DynamoDB, CloudWatch, CloudTrail, Opensearch)

IaC & Automation: Terraform, Helm, CloudFormation

Containers & Orchestration: Docker, Kubernetes, EKS, ECS

CI/CD & Tools: TeamCity, GitHub, Bitbucket, Nexus, Artifactory

Monitoring & Logging: Grafana, Fluent Bit, Prometheus, EFK Stack

Data Pipelines & Streaming: Apache Kafka (self-managed), Kinesis, Apache Airflow

Scripting: Python, Bash, YAML, Groovy

June 2021 – Nov 2023

ASSOCIATE TECHNICAL SPECIALIST - CONCENTRIX CATALYST

- Took full ownership of the application lifecycle, including **AWS infrastructure**, containerized environment setup, backend development, and production support.
- Designed and deployed infrastructure using **Docker** and **AWS services**, ensuring high availability, fault tolerance, and performance optimization.
- Built and managed **CI/CD pipelines using GitLab**, automating code builds, tests, and deployment workflows for faster and reliable delivery.
- Managed **GitLab** repository, branching strategies, and merge request workflows to maintain clean and stable codebases.
- Developed and maintained core features of the application, handled backend logic, API integrations, and infrastructure-as-code components.
- Implemented monitoring, logging, and alerting to track **application performance** and system health in real-time.

Tools & Technologies:

Cloud & Infra: AWS (EC2, S3, IAM, ECR), Docker, Linux

CI/CD & VCS: GitLab CI/CD, GitLab Repos

Dev Tools: Bash, Shell Scripts, Postman

Development: PHP TALL stack (Tailwind CSS, AlpineJs, Laravel and Livewire), REST APIs, MySQL

Dec 2019 – June 2021

DELIVERY SENIOR SOFTWARE ENGINEER - MPHASIS LTD.

Key Responsibilities Across Projects (Banking Domain):

- **CI/CD Pipeline Setup:**
 - Integrated **SVN** for version control with automated deployment processes.
- **Infrastructure & Monitoring Tools:**
 - Developed automation scripts for data management, service health monitoring, and recovery operations.
 - Implemented **Elasticsearch** to improve API discovery and service access performance on internal developer portals.
 - Designed service debugging and availability tools to manage failures, auto-restarts, and alerts.
- **Security & Encryption:**
 - Enforced **API authentication, authorization, and data encryption** layers across microservices to ensure compliance and security.
 - Added robust access control for internal tools, dashboards, and service UIs.

Project Highlights

- **Aadhaar Microservice (Team Size: 10)**
 - Built and maintained microservices for Aadhaar-based user authentication and eKYC validation using **Laravel** and **Oracle**.

- Created tools to manage service failure, availability, and client access via admin UI.
- Focused on secure data flow and real-time service management.
- **Digital Services – Jupiter (Team Size: 7)**
 - Built secure RESTful APIs using **Lumen** for digital banking services (account creation, FDs, schemes).
 - Added encrypted service layers, admin interfaces, and authentication modules.
- **ESB Developer Portal (Team Size: 2)**
 - Created a searchable API catalog with service demos and documentation using **Laravel**, **Elasticsearch**, and **AJAX**.
 - Enabled developers to discover, test, and consume internal APIs with secure access.
- **OneAxis App (Team Size: 2)**
 - Developed employee management services and push notification APIs using **Lumen** and **ReactJS**.
 - Created crons and secure APIs for employee data, attendance, and COVID reporting.
 - Integrated DevOps workflows for CI/CD using Jenkins.
- **Sameeksha Portal (Team Size: 2)**
 - Built survey and banner management features in mobile webviews using **Yii2** and **PHP**.
 - Integrated with internal systems for seamless VMS access.
- **Vendor Management System (Team Size: 2)**
 - Rebuilt the VMS backend using **Laravel**, added modules for timesheets, PO, billing, resource hierarchy, and PDF/Excel report generation.
 - Designed multi-level admin roles, improving visibility and control over vendor operations.

Tools & Technologies:

Tools: Jenkins, Cron Jobs, Shell Scripts, ElasticsearchSVN, Postman

Backend: PHP (Laravel, Lumen, Yii2), REST APIs, Oracle, MySQL

Frontend: HTML5, CSS3, jQuery, AJAX, ReactJS

Security: API Auth, Encryption, Role-Based Access Control

Sept 2017 – Dec 2019

SOFTWARE ENGINEER - GRACENOTE, A NIELSEN COMPANY

- Spearheaded automation of infrastructure provisioning using **Terraform**, enabling one-click environment setup and reducing manual errors.
- Designed and maintained **CI/CD pipelines using Jenkins**, streamlining deployments and ensuring consistent software delivery across environments.
- Managed AWS cloud-based production systems, focusing on **scalability, high availability, performance, and security** of services.
- Monitored and maintained live systems to ensure zero downtime; performed root cause analysis and implemented preventive measures.
- Automated ingestion workflows for collecting EPG data from multiple sources (email, FTP, Google Drive), integrating with internal systems via custom scripts.
- Implemented **pre-production acceptance testing** and deployment validation to ensure quality and stability of production releases.
- Collaborated with cross-functional teams including ingest, editorial, and engineering to ensure smooth data delivery and system integration.
- Provided ongoing maintenance and support for internal tooling and legacy platforms, with regular enhancements to improve reliability and performance.

Tools & Technologies: PHP, BASH, Python, AWS(EC2, S3, IAM, CloudWatch), Terraform, Jenkins, Linux, Git, FTP, Gearman, Ansible, Vagrant

Oct 2014 – Mar 2017

ASSOCIATE SOFTWARE ENGINEER - INSCRIPTS INDIA PVT. LTD.

- Contributed to feature development and version upgrades (v5.5–v6.3.1) for **CometChat** and **CometChat Cloud**, ensuring cross-platform compatibility
- Deployed and managed PHP-based chat solutions on **AWS Elastic Beanstalk**, optimizing performance and uptime.
- Built and maintained ready-to-install plugins for multiple CMS platforms including **WordPress**, **PHPFox**, **DatingScript**, **PG Dating Pro**, and **Concrete5**.

Tools & Technologies: PHP, JavaScript, jQuery, CSS, AWS Elastic Beanstalk, MySQL, Git

EDUCATION

B.E. Alamuri Ratnamala Institute of Engineering and Technology (MU)
H.S.C. Bhartiya Vidya Bhavan (Maharashtra)
S.S.C. Marawari Vidyalaya High School (Maharashtra)

ACHIEVEMENT

May 2023	AWS Solution Architect Associate Certification (SAA-C03)
2022 & 2023	Client certificates for providing excellent services
August 2019	Employee of the Quarter for exemplifying core values of trust and accountability.
September 2016	Awarded as Employee of the Month
May 2016	Awarded with Star of the month

PERSONAL INFORMATION

LinkedIn Profile	www.linkedin.com/in/sandeep-varma-62640777
Date of Birth	20 th May, 1992
Gender	Male

Language known	English, Hindi, Marathi
Nationality	Indian