# Shashwat Mohite

**Blockchain DevOps Engineer**

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## CAREER OBJECTIVE

DevOps Engineer with over 3 years of experience specializing in blockchain technologies, delivering scalable, secure, and high-performance solutions. Proficient in managing cloud-native environments across AWS, GCP, Digital Ocean, and OVH Cloud, leveraging Kubernetes, Docker. Expert in Infrastructure as Code (IaC) using Terraform, Terragrunt, and Terraspace, with strong capabilities in CI/CD automation through GitHub Actions, ArgoCD, and Jenkins. Skilled in designing and optimizing blockchain infrastructures for Ethereum, Optimism, Polygon, Cosmos, and other EVM-based chains.
Proficient in Golang, Node.js/TypeScript, Python, PHP, and C/C++. Experienced in ensuring system reliability with tools like Prometheus, Grafana, ELK stack, Datadog, and New Relic, with a focus on improving efficiency, resilience, and operational stability in blockchain platforms.

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## SKILLS SUMMARY

- **Infra**: AWS, GCP, Digital Ocean, OVH Cloud
- **Services**: EC2, IAM, EKS, ECS, Lambda, VPC, API-Gateway, Route53, CloudFront, CloudFormation
- **IAC:** Terraform, Terragrunt, Terraspace
- **DevOps:** Linux, Docker, Kubernetes, Helm Charts, Git, Argo, Ansible, Cloudflare
- **Blockchain Tech:** Ethereum, Optimism, Polygon, Cosmos, and other EVM-based chains
- **CI/CD:** GitHub Actions, ArgoCD, Jenkins
- **Languages:** Golang, Node.js/Typescript, Python, PHP, C/C++
- **Messaging:** Kafka, RabbitMQ, AWS SQS, Cloud Pub/Sub
- **Database:** PostgreSQL, MongoDB, Redis, Clickhouse
- **Observability**: ELK stack, Grafana stack, Prometheus, Datadog, New Relic
- **Serverless:** AWS Lambda, Cloud function, Cloud Run
- **Monitoring:** Prometheus, Grafana, Thanos, CloudWatch, CloudTrail, ELK/EFK
- **Others**: Okta, PagerDuty, OpenVPN, AWS Client VPN, Notion, Jira, Jfrog, Git

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## WORK EXPERIENCE

**Blockchain DevOps Engineer | Syvora** **January 2023 - Present**

- Provided expert SRE services to a diverse, ensuring optimal reliability, availability, and performance for blockchain applications and infrastructure.
- Crafted intuitive workflows and GitOps pipelines concealing platform complexities, resulting in a 50% reduction in deployment time and a 30% boost in overall system reliability.
- Collaborated closely with development and operations teams to design and implement robust monitoring, alerting, and incident response frameworks with pagerduty & statuspage.
- Conducted in-depth performance analysis and capacity planning to enhance blockchain network efficiency and responsiveness.
- Proactively identified and addressed potential system vulnerabilities and bottlenecks, implementing preventive measures to minimize disruptions.
- Participated in on-call rotations, serving as a primary escalation point for operational issues.

Notable Project Achievements:

- Developed a Golang-based Kubernetes Operator for Ethereum staking, enhancing operational efficiency and automation within the blockchain ecosystem.
- Implemented GitOps methodologies across Site Reliability Engineering (SRE) teams, fostering collaboration, improving version control, and optimizing deployment processes.
- Introduced and implemented ChatOps to enhance security protocols for cloud and database access. Developed Kubernetes operators for database backup and restore, as well as HashiCorp Vault initialization and seeding, demonstrating versatility in operator development.
- Led migration efforts from on-premises applications to the cloud, specifically GKE (Google Kubernetes Engine),

leveraging its scalability and flexibility.

- Developed and executed a role-based access control (RBAC) strategy, which streamlined user permissions and reduced access-related support tickets by 25% in the first quarter.
- Implemented a robust authentication infrastructure using Okta and through device management software like Jamf, successfully reducing unauthorized access attempts by 20% and enhancing system security across all platforms within six months and integrating various tools like Notion, Google Workspace, Slack, Jira, Github and GCP with Okta.
- Responsible for setting up and managing blockchain infrastructure, ensuring smooth operations and optimal performance.
- Designed and implemented a multi-environment infrastructure architecture to ensure operational resilience and security. Incorporated failover mechanisms to guarantee the high availability of blockchain nodes.
- Established comprehensive monitoring and logging solutions using ELK & Grafana stack to proactively identify and mitigate potential issues. Performed in-depth performance analysis and optimization, resulting in a 35% reduction in monthly cloud costs.
- Orchestrated automatic instrumentation for alerting using PagerDuty, ensuring timely response to critical incidents and creating an on-call schedule for the team for fast incident resolution time.
- Developed comprehensive disaster recovery procedures to safeguard against system failures and ensure business continuity.
- Oversee the deployment and management of blockchain infrastructure for optimal operational efficiency and reliability. Executed cloud migration projects with rigorous planning and risk assessment.
- Implemented secure secret management practices to protect sensitive information. Addressed and resolved issues leading to random block misses, enhancing validator reliability.
- Developed comprehensive on-call runbooks and detailed documentation to streamline incident response and resolution.
- Utilized Terraform to create IaC for the entire project setup across various stages (development, QA, staging, production), streamlining the deployment process
- Implemented Kubecost operator to monitor and optimize Kubernetes infrastructure costs reducing the Infra cost by 40%..
- Streamlined project delivery by implementing CI/CD tools such as Jenkins and CircleCI, ensuring a smooth and continuous integration process
- Configured HAProxy to maintain a pool of healthy blockchain RPC nodes, ensuring uninterrupted service.

**DevOps Engineer | Qodeleaf** **Jan 2022 - Dec 2023**

- Led the design, development, and implementation of complex software applications from inception to production.
- Accelerated development cycles and improved deployment efficiency by implementing Docker containerization, resulting in a 2x reduction in deployment time. Established and optimized CI/CD pipelines using [specific tools, e.g., Jenkins, GitHub Actions] to automate build, test, and deployment processes.
- Architectured and implemented scalable, high-performance infrastructure using [cloud provider, e.g., AWS, GCP]. Leveraged infrastructure as code principles to manage and provision resources efficiently.
- Conducted in-depth performance analysis of API call flows, identifying and eliminating bottlenecks. Successfully refactored API integrations, leading to a 40% reduction in third-party service costs.
- Orchestrated complex database migrations to support new platform features, ensuring data integrity and zero downtime. Utilized database tools for schema changes and data migration.
- Developed and maintained Helm charts for Node.js microservices to streamline deployment, configuration management, and scaling within Kubernetes clusters. Leveraged Kubernetes features like [e.g., deployments, services, ingress] to build resilient and scalable applications.
- Implemented comprehensive monitoring and alerting solutions using Google Stackdriver to proactively identify and resolve performance issues, ensuring high system availability. Configured custom metrics and alerts to track critical system parameters.
- Developed Python scripts to automate deployment processes, reducing manual effort and increasing efficiency. Integrated Python scripts with Helm charts for a seamless deployment experience.

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## EDUCATION

**Bachelor of Engineering** - Specialized in Computer Science, **2019 – 2022**
Medi-Caps University Indore