

HEET CHOKSHI

Software & DevOps Engineer

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PROFESSIONAL SUMMARY

DevOps Engineer with 8 months of hands-on experience provisioning and managing AWS cloud infrastructure, administering Linux servers, containerising applications with Docker, and building CI/CD pipelines using GitHub Actions and Jenkins. Experienced in infrastructure automation with Terraform and Ansible, application monitoring with Prometheus and Grafana, and container orchestration with Kubernetes. Brings additional full-stack development capability across Node.js, React.js, and Next.js — enabling end-to-end ownership from code to cloud.

TECHNICAL SKILLS

Cloud & Infra	AWS EC2 · Security Groups · IAM (Basic) · VPC (Basic) · Microsoft Azure · Linux Admin · SSH
IaC	Terraform · Variables · Outputs · State Mgmt · Resource Provisioning
Config Mgmt	Ansible · Playbooks · Inventory · Roles · Package Mgmt · User Mgmt
Containers	Docker · Dockerfile · Multi-stage Builds · Kubernetes · kubectl · Namespaces · ConfigMaps
CI/CD	Jenkins · GitHub Actions · Git Integration · Build Pipelines · Deploy Automation
Networking	Nginx · Reverse Proxy · HTTPS Termination · DNS Basics · Upstream Config
Observability	Prometheus · Grafana · Node Exporter · cAdvisor · Alerting · Dashboards
Backend & APIs	Node.js · Express.js · REST APIs · JWT Auth · MVC Architecture
Frontend	React.js · Next.js · HTML5 · CSS3
Databases	MongoDB · MySQL · PostgreSQL · Supabase
Languages	JavaScript (ES6+) · TypeScript · Python · SQL · Bash
Tools & AI	Git · GitHub · Postman · VS Code · OpenAI API · GitHub Copilot

PROFESSIONAL EXPERIENCE

DevOps Engineer

May 2026 – Present

Strivedge

- Created Terraform configurations for provisioning AWS infrastructure resources including EC2 instances, security groups, and networking components using Infrastructure as Code practices.
- Managed EC2 instances and security group rules using Terraform, maintaining infrastructure state files and applying incremental changes to production and staging environments.
- Developed Ansible playbooks for server configuration and deployment automation, covering package installation, user management, and application setup across Linux hosts.
- Automated repetitive operational tasks — including environment setup, service restarts, and file distribution — using Ansible to reduce manual intervention.
- Built and maintained Jenkins pipelines for build, test, and deployment workflows, integrating Jenkins with Git repositories to trigger automated CI/CD processes on commits.
- Supported Docker-based application deployments, managing container builds and running services across development and staging environments.
- Assisted in infrastructure monitoring and operational troubleshooting, reviewing logs and system metrics to support incident resolution.
- Collaborated with development teams to improve deployment efficiency and align infrastructure provisioning with application delivery requirements.

Infrastructure & DevOps

- Provisioned and managed AWS EC2 instances for multiple application environments, handling instance setup, security group configuration, SSH key management, and environment variable provisioning.
- Configured and maintained Nginx reverse proxy servers across production environments, writing server blocks to route traffic to Node.js backends and Next.js frontends, managing HTTP-to-HTTPS redirects.
- Containerised application services using Docker, writing Dockerfiles with multi-stage builds to minimise image size and managing container lifecycles across development and production environments.
- Built and maintained CI/CD pipelines using GitHub Actions, automating build, lint, and deployment workflows and enabling consistent, repeatable releases on every merge to main.
- Configured Prometheus monitoring for Linux servers and containerised applications, deploying Node Exporter and cAdvisor for metrics collection and tracking CPU, memory, disk, and network utilisation.
- Implemented Grafana dashboards for infrastructure and application monitoring, setting up alerts for resource thresholds and error conditions across containerised services.
- Administered Linux servers for day-to-day operational tasks: monitoring system resources (top, htop), managing services (systemctl), diagnosing connectivity issues (ss, curl), and maintaining log rotation.
- Managed Kubernetes deployments, namespaces, ConfigMaps, and Services using kubectl, assisting with workload scheduling and debugging pods via kubectl logs and describe.
- Assisted in troubleshooting production issues using logs, Grafana dashboards, and Prometheus metrics to identify and resolve application and infrastructure incidents.

Application Development

- Delivered full-stack application features using React.js and Node.js/Express, owning complete feature cycles from API design and database integration through to frontend implementation.
- Integrated MySQL and MongoDB database layers into backend services, writing schema definitions, migrations, and query optimisations that supported core product workflows.
- Collaborated across teams on code reviews and debugging sessions, maintaining shared coding standards and contributing to a cleaner, more maintainable codebase.

PROJECTS

CryptoNexusAI — AI Analytics Dashboard | Next.js · OpenAI API · Docker · Nginx · AWS EC2[• crypto-nexus.in](https://crypto-nexus.in)

- Developed an AI-powered cryptocurrency analytics dashboard integrating the OpenAI API for automated market insights and natural language queries on live price and trend data.
- Containerised the Next.js application using Docker and deployed it on an AWS EC2 instance, configuring Nginx as a reverse proxy to handle HTTPS termination and route public traffic to the container.
- Built server-side API routes in Next.js to orchestrate OpenAI requests, implementing response caching to reduce redundant API calls and keep usage within cost limits.
- Implemented token streaming from the OpenAI API to the client, progressively rendering AI-generated content and reducing perceived response latency significantly.

GrandStay — Hotel Booking Platform | Node.js · Express.js · MongoDB · React.js · Microsoft Azure[• royal-stay.me](https://royal-stay.me)

- Architected a full-stack hotel booking platform with JWT-based authentication, end-to-end booking workflows, and role-based access for guests and administrators.
- Designed RESTful APIs and MongoDB schemas covering hotel listings, availability, reservations, and user profiles — supporting the complete booking lifecycle from search to confirmation.

- Deployed on Microsoft Azure, configuring cloud hosting, environment variables, and network settings for a production-accessible environment.

LearnWithH — Financial Blog Platform | React.js · Supabase

- Built a financial content platform using Supabase for authentication, PostgreSQL-backed database, and edge hosting, eliminating the need for a standalone backend service.
- Implemented Supabase Auth workflows with protected frontend routes and designed a responsive React.js UI optimised for long-form content readability across devices.

E D U C A T I O N

Bachelor of Technology — Computer Science & Engineering

2022 – 2026

Indrashil University, Kadi · SGPA: 7.0 / 10

- Relevant coursework: Data Structures & Algorithms, Operating Systems, Computer Networks, DBMS, Web Technologies

A D D I T I O N A L

- Working toward AWS Cloud Practitioner certification — covering IAM, S3, RDS, VPC, and CloudWatch fundamentals.
- Uses Prometheus + Grafana to build monitoring dashboards for containerised services, tracking CPU, memory, request rates, and error budgets via Node Exporter and cAdvisor.
- Familiar with Kubernetes day-to-day operations: deploying workloads, managing namespaces, applying ConfigMaps, and debugging pods via kubectl logs and describe.
- Actively expanding Terraform and Ansible skills through hands-on infrastructure automation work at Strivedge.