

SUMIT PATEL

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SUMMARY

Backend and DevOps engineer with expertise in Linux systems, Automation, Backend development and cloud-native infrastructure. Deployed containerized workloads on AWS ECS and improved observability using Prometheus and Grafana. Active open-source contributor focused on system reliability and automation.

EXPERIENCE

PeerXP Services Pvt. Ltd

Feb - Aug 2023

DevOps Intern

(Remote) Bengaluru, Karnataka

- Engineered and implemented comprehensive monitoring solutions using Grafana and Prometheus, resulting in 30% improved system visibility and reduced incident response time from hours to minutes
- Developed and optimized Docker containers integrated into client automation pipelines, reducing deployment time by 40% and improving resource usage by 25%.
- Automated CI/CD workflows on AWS using GitLab CI, reducing manual deployment steps by 60% and maintained system configurations via Ansible and Terraform
- Authored 1000+ self-hosted, wiki-style setup guides, used by new hires and external developers, reducing onboarding and support queries by 50%.

OPEN SOURCE CONTRIBUTIONS

Keyshade

github.com/keyshade-xyz

- Refactored forking flow using Prisma; enforced access control and cut multi-user crashes by 25%.
- Enhanced CLI with decryption-failure exit mode, improving automation reliability in scripts.

ffscreencast

github.com/cytopia/ffscreencast

- Contributed enhancements to CLI screen recording utility built on ffmpeg; added optional timer for recording duration feedback
- Implemented -o flag for custom filenames and added support for configurable output directory via DIR parameter.

PROJECTS

TUISIC: TUI Online Music Streaming Application

github.com/Dark-Kernel/tuisic

Developer

- Developed a command-line interface music streaming application in C++ with Vim motions and multi-source integration
- Engineered CLI-based music player in C++ using libmpv and FTXUI, supporting multi-platform streaming with download and playlist support.
- Created user-friendly functionality including playlist support, favorites system, and URL copying using FTXUI, libmpv, and libcurl

ScrollConnect: College-Industry Event Bridge

www.scrollconnect.com

Backend Developer

- Built and secured backend APIs for a production-grade college event platform with 2000+ users at scrollconnect.com.
- Implemented Supabase RLS policies with JWT refresh logic for secure, scalable access control.
- Integrated GenAI for auto-generating event descriptions and FAQs; reduced manual content effort by 60%.
- Used Cloudflare R2 to store and serve event video content efficiently.

ArchInsights: Social Media Analytics Platform

github.com/Dark-Kernel/ArchAngelsFlowUI

Backend Developer

- Built backend for real-time post insights using Supabase, Langflow, AstraDB; integrated RAG-based chat via NVIDIA's embed-QA.
- Created visualization modules for trends, engagement spikes, and event-based insights.

EDUCATION

Vasantdata Patil Pratisthan's College Of Engineering

Mumbai, Maharashtra

B.E in Information Technology (CGPA: 8.04)

2023 – Present

Government Polytechnic

Mumbai, Maharashtra

Diploma in Computer Engineering (CGPA: 8.7)

2020 – 2023

TECHNICAL & SOFT SKILLS

Languages: C++, Bash, Python, Java, JavaScript | **Tools:** Docker, Kubernetes, GitHub Actions, Terraform, Prometheus
Frameworks: Node.js, Flask, React, Express, Next | **Cloud/DB:** AWS, GCP, Supabase, MongoDB, PostgreSQL, MySQL
Soft Skills : Problem-solving, Technical Documentation, Team Collaboration, Proactive Mindset

ACHIEVEMENTS

Secured **4th place** globally in the ScrollHacks online hackathon; received the **Orkes Integration Award**.
Shortlisted among 1600+ submissions in **Logithon**, a national-level hackathon by DMCE.
Contributed to the Keyshade open-source project during **FOSSHACK'24**.
Led ITSA community as **Technical Head**; organized college-wide tech/non-tech events.