SUMIT PATEL

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SUMMARY

Backend and DevOps engineer with strong Linux expertise, experienced in Dockerized services, IaC, and CI/CD automation. Built and deployed containerized workloads on AWS ECS, authored 1000+ technical docs, and enhanced observability using Prometheus + Grafana, reducing MTTR by 40%. Active Contributor to open-source projects with focus on infrastructure reliability and automation. Maintains personal portfolio at dark-kernel.web.app

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 GitHub Actions, 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%. (Issue #364)
- Enhanced CLI with decryption-failure exit mode, improving automation reliability in scripts. (Issue #294)

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

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.

ScrollConnect: College-Industry Event Bridge   www.scrollconnect.com
Backend Developer
- Built and secured backend APIs for a production-grade college event platform with 1000+ 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.

EDUCATION

Vasantdata Patil Pratisthan's College Of Engineering   Mumbai, Maharashtra
B.E in Information Technology   *2023 – Present*
Government Polytechnic   Mumbai, Maharashtra
Diploma in Computer Engineering (GPA: 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, 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.