

Akshay Kocharekar

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DevOps Profile

Full-stack developer building a foundation in DevOps and cloud infrastructure, with hands-on experience deploying and securing applications on AWS EC2, containerizing services with Docker, and automating server tasks through Bash scripting on Linux. Comfortable working across the deployment pipeline: version control, environment configuration, monitoring, and troubleshooting. Currently deepening skills in Kubernetes and Terraform to move toward infrastructure automation and CI/CD. Seeking a DevOps Intern role to contribute to and grow within a product engineering team.

Technical Skills

Cloud & DevOps: AWS EC2, Docker, Docker Compose, Linux (Ubuntu), Shell/Bash Scripting, Git/GitHub, Nginx (basic), CI/CD fundamentals, SSH & server administration

Currently Learning: Kubernetes, Terraform (Infrastructure as Code)

Backend & Data: Node.js, Express.js, REST APIs, Socket.io, MongoDB (Atlas)

Languages: JavaScript (ES6+), TypeScript, Python (basic), Bash

Frontend: React.js, Next.js, Tailwind CSS

DevOps Experience (Personal Projects)

Cloud Deployment & Containerization

2026 – Present

Self-Directed

- Deployed and secured Node.js/Express applications on AWS EC2 (Ubuntu) instances, configuring SSH access and basic security groups/networking.
- Built Docker images for Node.js applications and managed multi-container setups using Docker Compose.
- Worked extensively with the Linux terminal for package management, file permissions, process monitoring, and server administration.
- Wrote Bash scripts to automate system health checks and log management (see Projects), and applied Git branching workflows across development and production environments.
- Applied CI/CD fundamentals and cloud deployment concepts (compute instances, networking, security groups); actively building hands-on familiarity with Kubernetes and Terraform for container orchestration and infrastructure as code.
- Troubleshoot deployment issues spanning application code, Docker, networking, and Linux environments.

Projects

Server Performance Stats | *Bash, Linux* – GitHub

- Built a Bash script that generates real-time Linux server health reports covering CPU, memory, and disk usage.
- Implemented process-monitoring logic to surface the top 5 CPU- and memory-consuming processes for fast diagnostics.
- Designed as a dependency-free, portable tool for quick server auditing across Ubuntu/Linux environments.

Log Archive Tool | *Bash, Linux* – GitHub

- Developed a Bash automation tool that compresses target directories into timestamped `.tar.gz` archives.
- Implemented input validation, directory-existence checks, and structured logging of each successful run to `archive.log.txt`.
- Applied file permission handling and exit-status handling for reliable use in scheduled/cron-based automation.

EasyCommute – Real-Time Bus Tracking Platform (*MERN*) | Live Demo | GitHub

- Built a full-stack real-time bus tracking platform with commuter, driver, and admin dashboards using role-based authentication and RESTful APIs.
- Implemented real-time GPS/location updates using Socket.io and integrated MongoDB for persistent data storage.
- Designed a responsive React frontend with Tailwind CSS, applying component-driven architecture and clean UI/UX practices.

Education

VVM's Shree Damodar College of Commerce & Economics, Margao, Goa

2023 – 2026

Bachelor of Computer Applications (BCA)