

Alvin K Sabu

8078520585 | alvinksabu200115@gmail.com | linkedin.com/in/alvin-k-sabu

EDUCATION

Marian College Kuttikkanam <i>Master of Computer Applications (MCA) – 89%</i>	Idukki, Kerala 2023 – 2025
Kannur University <i>B.Com Computer Applications – 83.4%</i>	Kannur, Kerala 2019 – 2022
Tagore Memorial Higher Secondary School <i>Plus Two – 81%</i>	Kannur, Kerala 2017 – 2019

EXPERIENCE

DevOps Engineer <i>Codeace IT Solutions LLP</i>	Dec 2024 – Present Kozhikode, Kerala
• BigDay (Event Management System) – Engineered end-to-end AWS infrastructure and multi-environment CI/CD pipelines for BigDay from scratch; provisioned ECS, ECR, RDS/PostgreSQL, Lambda, and Cognito, with automated deployments across Development, Demo, and Production via GitHub Actions. • Managed multi-site website deployment and hosting on DigitalOcean; executed full server migrations across hosting providers covering DNS cutover, SSL re-provisioning, and performance tuning. • Administered AWS services (EC2, S3, VPC, RDS/PostgreSQL, IAM, CloudWatch) for secure, high-availability production infrastructure, including security group and network access configuration. • Built and maintained CI/CD pipelines using GitHub Actions and GitLab CI/CD to automate build, test, and deployment workflows, and managed Git branching strategies across development teams. • Authored Bash and Ansible automation scripts for deployment workflows, achieving a 40% reduction in manual intervention. • Configured and administered Apache and Nginx web servers across Linux (Ubuntu, Red Hat) environments; implemented server hardening including firewall rules, SSH key authentication, and SSL enforcement. • Monitored infrastructure with Zabbix and CloudWatch; performed log analysis, security patching, user management, and incident troubleshooting to ensure system availability and reliability, and containerized services with Docker while exploring Kubernetes fundamentals for orchestration.	

PROJECTS

BigDay – Event Management System <i>ECS, ECR, Lambda, Cognito, GitHub Actions, RDS</i>	Dec 2024 – Present
• Architected and provisioned end-to-end AWS infrastructure for BigDay including ECS, ECR, RDS/PostgreSQL, IAM, VPC networking, and CloudWatch – all from scratch. • Engineered GitHub Actions CI pipeline with automated format checks, linting, type checking, build, and test stages running against a live PostgreSQL service container on every push to <code>dev</code>, <code>release</code>, and <code>main</code>. • Built a multi-stage CD pipeline that triggers on CI success; builds and pushes three separate Docker images (API, Notifications, Cognito Lambda) to Amazon ECR tagged by commit SHA, then auto-deploys to the corresponding environment (Development / Demo / Production) based on branch. • Implemented AWS Cognito with a custom Lambda trigger for user authentication, containerized and deployed via ECR with <code>linux/amd64</code> platform targeting for Lambda compatibility. • Enforced Conventional Commits across the team via a PR title validation workflow, ensuring consistent commit history and release traceability. • Integrated Slack notifications into all pipeline stages – alerting on CI failures on <code>main</code> and reporting deployment status (environment, commit SHA, actor) for every release. • Designed concurrency controls per environment to prevent simultaneous deployments and cancel stale runs, ensuring safe and predictable rollouts.	
Server Hardening & Security Baseline <i>Linux, VPC, UFW, SSH, SSL, Nginx, Bash</i>	Dec 2024 – Present
• Designed and enforced a repeatable server hardening baseline across production Linux servers – configured UFW firewall rules and security groups, disabled root login, and enforced SSH key-only authentication. • Automated SSL certificate provisioning and renewal using Bash scripts, eliminating manual certificate management across multiple domains. • Hardened Nginx configurations with security headers, disabled server tokens, and enforced HTTPS redirects as standard across all hosted environments.	

- Wrote custom Bash scripts to automate routine server tasks – user provisioning, log rotation, disk usage alerts, service restarts, and scheduled backups – and developed migration scripts for file transfers, database dumps, and environment variable setup, reducing manual effort and risk of human error.

TECHNICAL SKILLS

Cloud Platforms: AWS (EC2, S3, VPC, IAM, CloudWatch, RDS – PostgreSQL, ECS, ECR, Lambda, Cognito), DigitalOcean

CI/CD & Version Control: GitHub Actions, GitLab CI/CD, Git (branching strategies, PR workflows)

Containers & Orchestration: Docker, Kubernetes (basic exposure), EKS (familiar)

Configuration Management: Ansible

Networking & Server Administration: Linux (Ubuntu, Red Hat), Apache, Nginx, DNS, SSL, SSH, FTP, Security Groups, Ports & Networking Basics

Scripting & Automation: Bash, Shell, Python

Monitoring & Logging: Zabbix, AWS CloudWatch

Soft Skills: Problem-Solving, Attention to Detail, Team Collaboration, Time Management, Adaptability

ACHIEVEMENTS & CERTIFICATIONS

Red Hat Certified System Administrator (RHCSA) – Certification ID: 250-135-878

Front Runner Award – Q4 2025–26 | Codeace IT Solutions LLP – Recognized under the *Growing Leaders* initiative for outstanding performance and initiative.

Ace of Diamond Award | Codeace IT Solutions LLP, July 2025 – Awarded for outstanding results and initiative.

Rising Star Award | Codeace IT Solutions LLP – Recognized for exceptional performance during first 6 months.

Best Performer of the Month | Codeace IT Solutions LLP, February 2025