

# CYRIL P

## DevOps Engineer | Java Backend Developer

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### PROFESSIONAL SUMMARY

DevOps Engineer with **2.4 years of experience** in automating deployments, managing scalable cloud and on-prem infrastructures, and optimizing system performance. Skilled in **AWS (EC2, S3, CloudFront, Route 53, IAM)**, **CI/CD pipelines** (Jenkins, Maven, GitHub Actions), and **cross-platform automation** using Bash/Shell and PowerShell scripting. Strong background in **Java backend development** with **Spring Boot, REST APIs, OAuth2, and JPA**, enabling secure and efficient microservice deployments.

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### TECHNICAL SKILLS

**Cloud & Infrastructure:** AWS (EC2, S3, VPC, ALB, ASG, CloudFront, IAM, Route 53, SES, ACM, CloudWatch, CloudTrail, RDS, ECS, EKS, Cloud Formation, Route 53, AWS Pipeline, AWS Lambda Functions), Digital Ocean (Droplets, Spaces, CDN), Terraform (Basics).

**CI/CD & Automation:** Jenkins, Maven, GitHub Actions, SonarQube, Cron, Task Scheduler.

**Containerization & Orchestration:** Docker, Kubernetes, Helm Chart

**Monitoring & Logging:** Custom SSH-based tools, Bash/Shell scripting, Prometheus, Grafana.

**Programming:** Java, Spring Boot, REST APIs, JPA, Spring Security, Gateway, Eureka, Cloud Config

**Databases:** MySQL, MS SQL Server

**Version Control:** Git, GitHub | **Collaboration:** Slack (Integrations, Notifications)

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### PROFESSIONAL EXPERIENCE

#### Emphatic Sense Technology Pvt Ltd, Chennai

**DevOps & Java Engineer** | June 2023 – October 2025

- Designed and executed **CI/CD pipelines** (Jenkins, Maven) with rollback — reduced deployment downtime by **70%** across Windows and Linux systems.
- Migrated **9 production websites** from AWS to DigitalOcean, achieving **65% cost savings** and improved uptime.
- Automated **log rotation, backup scheduling, and alerts** using Bash/Shell scripts.
- Built and maintained secure **cloud/on-prem infrastructures** using AWS (EC2, RDS, S3, CloudFront, VPC, SSL).
- Developed and deployed **Spring Boot microservices** implementing **CRUD operations for master tables, Role-Based Access Control (RBAC), Work Orders, and Dashboards**, along with performing **critical production bug fixes** to improve system stability.
- Collaborated within **Agile/Scrum sprints**, ensuring timely and client-aligned project delivery.

## KEY PROJECTS

### **Yoga (AWS – Web App Migration) – Health & Wealth Application**

Maintained and migrated 9 PHP-MySQL websites hosted on AWS (ALB, EC2, S3, CloudFront) to Digital Ocean (Droplets and Spaces), achieving **65% infrastructure cost reduction** through optimized configurations and automated **backups/data migration using Bash and RClone**.

### **Chrysalis (On-Prem VPN Environment)**

Implemented a Jenkins-based CI/CD pipeline using PowerShell Remoting; automated database and file backups, improving deployment consistency and disaster-recovery reliability.

### **Urakata (Internal DevOps Monitoring Tool)**

Developed a secure agentless monitoring application in Java (Spring Boot + SSH) to track CPU, RAM, Disk, and service uptime — reduced dependency on paid monitoring tools.

### **GLIM (AWS + DigitalOcean Microservices)**

Configured and managed **EC2-based environments integrated with RDS**, automating **deployment of microservices and micro-frontends** using **Jenkins pipelines**, and strengthening security through **VPC and firewall rule configurations** for reliable environment monitoring.

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## KEY ACHIEVEMENTS

- **65% Cost Reduction** by migrating multi-site AWS infrastructure to Digital Ocean and implementing automated backup workflows as the sole DevOps engineer.
- **80% Faster Deployments** achieved through Jenkins pipelines and PowerShell automation, reducing downtime from 10 minutes to 1 minute.
- **Zero Data Loss** ensured via RClone-based multi-cloud disaster recovery solution.

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## EDUCATION

**SRM Institute of Science and Technology, Chennai** — MCA (CGPA: 8.6) | 2021 – 2023

**St. Joseph's College, Trichy** — B.Sc. Mathematics (CGPA: 7.9) | 2018 – 2021

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## SOFT SKILLS

Problem-Solving & Issue Tracking | Collaboration with QA and Developers | Adaptability  
| Time Management | Continuous Learning | Communication | Ownership

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## DECLARATION

I hereby declare that the information provided above is true and correct to the best of my knowledge and belief.

Cyril P