




# Anup Kumar Mondal

Data Structure and Algorithms | System Design and Architecture | DevOps and SRE | Security | Gen AI

 [uniqs.anup@gmail.com](mailto:uniqs.anup@gmail.com),  (+91) **962-048-1097, 947-405-9753** |  Bengaluru, Karnataka, India, 560034  
[GitHub](#) | [LinkedIn](#) | [YouTube](#) | [HackerRank](#) | [Stack Overflow](#)

## SUMMARY

Experienced IT Professional with 10+ years in System Administration, DevOps, and Site Reliability Engineering (SRE). Expertise in optimizing tech solutions for efficiency and growth. Skilled in leveraging emerging tech for strategic initiatives. Strong analytical, and problem-solving skills, committed to quality and client satisfaction.

**Willing to Relocate :** Anywhere

## PERSONAL DETAILS

**Date of Birth :** 1990-03-16

**Eligible to work in :** India

**Highest Career Level :** DevOps, 8+ years of experience

**Industry :** IT Operations & Helpdesk, IT-Hardware & Networking, Software Development, Infrastructure, Technology

**Total years of experience :** 9.9 years

## EDUCATIONAL QUALIFICATION

**WEST BENGAL UNIVERSITY OF TECHNOLOGY**

MASTER OF COMPUTER APPLICATION (MCA) , COMPUTER SCIENCE

Regular, DGPA : 8.75

Mar 2011 - Aug 2014

Kolkata, India

## LANGUAGES

**ENGLISH** - Expert

**BENGALI** - Expert

**HINDI** - Fluent

## ONLINE PROFILE

<https://github.com/corporealsoul>

<https://www.linkedin.com/in/corporealsoul>

<https://www.youtube.com/@corporealsoul>

<https://corporealsoul.blogspot.com/>

## WORK EXPERIENCE

### 7th, HCLTech | CONSULTANT

Bengaluru, India | 22nd, Mar '24 - Present (1.4 yrs)

- Total Exp - (10.2 yrs)

#### DUTIES AND RESPONSIBILITIES :

- **OS & Infrastructure Automation** – Upgraded and patched operating systems using Jenkins, Terraform, Ansible, and GCP to ensure system reliability and security by keeping High Availability and Disaster Recovery in mind.
- **CI/CD & Deployment Automation** – Managed deployments for microservices using Kubernetes, Docker, Nomad, Consul, Open Blues, Ocean, Jenkins, and core stack via Ariba portal for seamless software delivery.
- **Cloud & Infrastructure Management** – Provisioned, monitored, and managed cloud resources on Google Cloud Platform (GCP) and Converge Cloud to optimize performance and cost.
- **Certificate & Secret Management** – Automated certificate rotation and credential management using Vault, Terraform, and Jenkins, ensuring compliance and security best practices.
- **Container Orchestration & Scaling** – Deployed, scaled, and maintained containers and pods on Kubernetes and Nomad, improving availability and resilience.
- **Monitoring & Troubleshooting** – Monitored applications using Splunk, Site24, Nomad, Cobalt, Inspector, and Front Doors, troubleshooting incidents to maintain uptime.
- **Production & DevOps Support** – Managed and supported production and development environments, handling infrastructure provisioning, upgrades, and decommissioning.
- **Security & Access Management** – Created, managed, and rotated credentials, secrets, authentication mechanisms, and implemented security best practices.
- **Configuration & Code Management** – Maintained and automated configurations using Git, GitHub, Perforce, and infrastructure as code (IaC) principles.
- **Incident Response & On-Call Support** – Diagnosed and resolved critical production issues, collaborating with engineering teams to improve system stability.
- **Capacity & Performance Optimization** – Led capacity management initiatives to optimize resource allocation, reducing operational costs and improving efficiency.
- **Patching & Incremental Builds** – Applied incremental and full system patches and upgrades to maintain security, stability, and compliance.
- **Automation & Scripting** – Developed and executed automation scripts on Rundeck and via manual troubleshooting to enhance system efficiency.
- **Cross-Functional Collaboration** – Worked on JIRA-based tickets, partnering with db, engineering, security, and operations teams to align DevOps strategies.
- **Technical Leadership & Training** – Conducted interviews, provided technical training, and documented processes to improve DevOps team efficiency.

**TECH STACK :** Confluence and Wiki, Microsoft Teams, Slack, Service Now, JIRA, Kanban, Scrum, Sprint, Git, GitHub, Perforce (Helix Core), IntelliJ IDEA, Visual Studio Code, SonarQube, Selenium, Jenkins Files / Pipelines, Open Blue Ocean, Mark As Default (MAD), Apache Tomcat, NGINX, Disaster Recovery (DR), High Availability (HA), Load Balancer (LB), Red Hat, Ubuntu, Service mesh, ISTIO, Rundeck, TMUX, Screen, Converge Cloud, Google Cloud Platform (GCP), Openstack, Vagrant, Ansible, Ansible tower (AWX), Terraform, Docker, Cobalt Stack, Nomad UI, Consul UI, Kubernetes, Realm, Helm Templates / Charts, ContainerPilot, Flannel, JFrog Artifactory, Ops Page, Front Door, Inspector, Site24x7, Splunk, Dynatrace, Node status, Prometheus, Elasticsearch, Apache SOLR Grafana, PagerDuty, SAP HANA, Redis, MySQL, Postgres, Cassandra, Bootstrap, Kafka, Certificate, Secrets, Token, Passwords, OAuth, Auth Key, Encoding and Encryptions, RSA, MFA, VPN, Vault, CHATGPT, Copilot etc.

**CLIENTS AND PROJECTS WORKED WITH | PROFILE / ACCOUNTS :** UHG | Optum, SAP SE | Ariba

**6th, WIPRO LIMITED | SENIOR ADMINISTRATOR****Bengaluru, India | 24th, Nov '21 - 9th, March '24 (2.5 yrs)****- Total Exp - (8.10 yrs)****DUTIES AND RESPONSIBILITIES :**

- Setting up and managing labs on different PODs with required OS and applications.
- Monitoring VM health (CPU, Memory utilization, Disk space) and DB Open connections and use Security Best Practices.
- Gain expert-level knowledge of our applications and services to ensure applications are up and running.
- Perform deep-dive analysis on applications and debug environment issues related to applications or VMs.
- Automate system capacity, uptime, and other system-related reports and set up alerts.
- Develop dashboards for our network and infrastructure on different DevOps tools.
- Supported personnel queries of databases to record known performance issues and troubleshoot.
- Working with different DevOps/SRE tools for information, monitoring, and automation.
- Working with different cross-functional teams: QA, RE, SRE, Dev, Platform, Test, NetEngg
- Manage incoming issues reported by customers and track to resolution. And more.

**TECH STACK :** JIRA, Confluence, PagerDuty, WebEx, IntelliJ IDEA, Git, GitHub, Microservices Architecture, Load Balancing, Gradle, Icinga, CI/CD Pipelines, Harness, Jenkins, Grafana, Loki, Prometheus, Splunk, Elasticsearch, Logstash, Kibana, Messaging, Jregistry, Logger, Memcached, Apache Kafka, Apache ZooKeeper, RabbitMQ, Redis, Oracle SQL Developer, MongoDB, Linux, CentOS, Scalability, Performance Optimization, Ansible, AWX, OpenStack, Docker, Kubernetes, Rancher, Apache, Tomcat, NGINX, IOT, VMware, OpenStack, Amazon AWS, JFrog, Gamers, KVM, Cisco Virtual Infrastructure Manager (CVIM), VMware Horizon Jump Host, PuTTY, VPN, Infoblox, Incident Management and Response, Agile/Scrum Methodologies, JIRA, Confluence, PagerDuty, Microsoft 365, Teams, Webex by Cisco.

**CLIENTS AND PROJECTS WORKED WITH | PROFILE / ACCOUNTS :** Cisco | Cisco Jasper (IoT) Control Center**5th, DREAMORBIT SOFTECH PVT. LTD. | SENIOR DEVOPS ENGINEER****Bengaluru, India | 16th, Mar '20 - 18th, Nov '21 (1.9 yrs)****- Total Exp - (6.5 yrs)****DUTIES AND RESPONSIBILITIES :**

- System Administration with Install and Configure Windows Servers, Provide Technical Support and Guidance.
- Linux system administration with Redhat and Debian-based Linux.
- Perform System Maintenance, Monitor System Performance, and Maintain System Security with Security Best Practices.
- Designing best practices for backups and the whole infrastructure.
- Writing bash, and Python scripts on the requirement.
- Installation, configuration management, and deployment with Apache, NGINX, and Tomcat.
- Installation and database administration with MySQL, and PostgreSQL.
- Create and maintain fully automated Continuous Integration (CI)/Continuous Deployment (CD).
- CloudOps work by actively Creating, Managing, Improving, and Monitoring Cloud infrastructure on AWS and Azure.
- Interacting and Managing assigned client projects. And more.

**TECH STACK :** IntelliJ IDEA, Apache Tomcat, Apache HTTPD, ActiveMQ, SonarQube, WSO2 API Manager, Git, GitLab, Application Deployment, Microservices Architecture, Load Balancing, Docker, CI/CD Pipelines, Jenkins, TeamCity, JFrog Artifactory, ELK, Logic Monitor, Linux, Scalability, Performance Optimization CentOS, VMware, VMware VSphere, Data Kitty, Cloudflare, AWS Cloud, Terraform, PuTTY, VPN, Incident Response, Agile/Scrum Methodologies, Service Level Objectives (SLOs) and Service Level Indicators (SLIs), JIRA, Confluence, PagerDuty, Microsoft 365, Teams, SmartSheet, Lucid.

**CLIENTS AND PROJECTS WORKED WITH :** ACA Global | Finance, MercuryGate International Inc. | TMS, PSA Marine Singapore | MSMS

**4th, SYNCONEXT TECHNOLOGIES PVT. LTD. | TECHNICAL SUPPORT SPECIALIST****Bengaluru, India | 10th, Jan '19 - 7th, Feb '20 (1.2 yrs)****- Total Exp - (4.8 yrs)****DUTIES AND RESPONSIBILITIES :**

- Own overall relationship with assigned clients, which includes Deployment, Client onboarding, increasing adoption, and ensuring retention, and satisfaction.
- Troubleshooting customer-reported problems - remote support and on-site support.
- Initial network formation with Wireless Connectivity between Raspberry PI Gateway and the Nodes.
- Identifying root causes for the problems, taking corrective/preventative steps, and working closely with the engineering team for timely resolution.
- Providing Support for IoT Workflow solutions - System, Server, And Network Management.
- Interacting with teams to get the training for new releases and updates and testing new firmware on IoT nodes.
- Managing Inventory and Machine-to-Machine Communication Portal.
- Managing connected devices in real time like Apps on Mobile / Tab or on any Wearable devices.
- System administration with OS and software Installation, Log monitoring, Network building, and troubleshooting.
- Troubleshooting skills - Product Specific, Linux, Network Management, Database, Web Server, IoT.
- Setting up Dev and Test environments with all required software and maintaining them.
- Setting up and installing required firmware on the IoT gateway. And more.

**TECH STACK :** Apache Tomcat, SQLite, MySQL, WinCVS, AWS Cloud, Raspberry PI, Ubuntu, Raspbian, Putty, WinSCP, Sensor, Packet Sniffer, SmartRF flash program, Debugger, Wireshark, IP Scanner, Win 32 disk imager, Netgear wifi analytics, Asana, Agile/Scrum Methodologies, Jira.

**CLIENTS AND PROJECTS WORKED WITH | PROFILE / ACCOUNTS :** Robert Bosch, Infosys, Tech Mahindra, World Trade Center, Rockstar Games, Soroco India, ITC Infotech, Microland, EY | Integrated Enterprise Software Platform For Managing Energy & Building Operations In Real-Time Using IoT

**3rd, EDUNEXTGEN INDIA | LINUX SYSTEM ADMINISTRATOR****Bengaluru, India | 1st, Nov '16 - 31st, Dec '18 (2.2 yrs)****- Total Exp - (3.6 yrs)****DUTIES AND RESPONSIBILITIES :**

- Initial server set-up and configuring the server for deployment on AWS cloud.
- Installing Canvas LMS on AWS EC2 instance ( Production Deployment ).
- Branding the LMS application with company logo and names.
- SSL Certificate integration on Apache2.
- Managing and taking Backups of PostgreSQL regularly.
- Troubleshoot And manually Monitoring of the Infrastructure and Application.
- Installation and setting up Sendy via Amazon SES for a self-hosted email newsletter application.
- Cloud Lab Setup and Maintain - User Add, Delete, Permission, etc.
- Develop and Design courses on the LMS platform.
- Evaluating learning progress and Providing Certificates (manually designed) after completing the course. And more.

**TECH STACK :** Ruby On Rails, Passenger, Postgres, pgAdmin, Git, Apache2, SSL Certificate, Ubuntu, Web Hosting Zone, Amazon AWS, Single Tier Architecture, port forwarding, SSH, Putty, WinSCP, Sendy Newsletter, Networking, GoToMeeting, Photoshop.

**CLIENTS AND PROJECTS WORKED WITH | PROFILE / ACCOUNTS :** Canvas Learning Management System (LMS), Instructure LMS & Employee Development Solution.

**2nd, DSOF GLOBALTECH PVT. LTD. | JUNIOR DEVELOPER AND TRAINER****Pune, India | 5th, Jun '15 - 22nd, Feb '16 (9 mos)****- Total Exp - (1.4 yrs)****DUTIES AND RESPONSIBILITIES :**

- Responsive Web Design And Development.
- Graphics Designing for Application and Advert.
- Report Pages Designed for Application on JasperReports.
- Handling MySQL Database for backup and Running Queries on the requirement.
- Manual Application Testing on a test environment.
- Building different e-commerce CMS sites with WordPress, Joomla, Magento, and OpenCart.
- Helping students with their final-year projects.
- Providing training on Web Development And Web Designing.
- Providing graphic designing training with Adobe Photoshop CS5 and Adobe Illustrator. And more.

**TECH STACK :** HTML, PHP, CSS, JS, JQuery, Adobe Dreamweaver, Atom, Apache, WAMP, XAMPP, cPanel, MySQL, phpMyAdmin, MySQL Workbench, WordPress, Joomla, Drupal, Magento, OpenCart, Jasper Report, Photoshop CS5, And CS6, Illustrator, Corel Draw, Adobe Spark.

**CLIENTS AND PROJECTS WORKED WITH | PROFILE / ACCOUNTS :** TraffMan - The Traffic Police Daily Collection Digitalization (Govt. Project)

**1st, CMC LIMITED | HAND HOLDING SUPPORT EXECUTIVE****Kolkata, India | 5th, Nov '14 - 30th, May '15 (7 mos)****- Total Exp - (7 mos)****DUTIES AND RESPONSIBILITIES :**

- Visit assigned branches for Installing and configuring systems.
- Providing training to users (Govt. Officers and Employees) on complete software workflow on the training portal.
- Testing, assessing, and learning about updates either by visiting the office or over Cisco WebEx from a remote.
- Helping users to generate reports as per requirement and Taking daily data backup etc.
- It is understanding the issue and its cause, solving the problem, and explaining the situation to the developers.
- Assist clients with technology-related issues.
- Collect Issues From different govt offices that are involved with respective treasuries.
- Troubleshooting systems and applications.
- Provide a solution over the call or by visiting if things get complicated. And more.

**TOOLS AND TECHNOLOGIES USED | PROFILE / ACCOUNTS :** Java, Web Browsers, MS Office, Cisco WebEx, Emudhra Digital Signature Token.

**TECH STACK :** CMC LTD | Integrated Financial Management System ( Finance Department - Govt. Of West Bengal )

## DEVOPS / SRE - IT SKILLS

• <b>LANGUAGE / SCRIPTING</b>	:	C, Python, Shell, C, YML, JSON, Ruby, Markdown
• <b>Task Automation &amp; Workflow Orchestration</b>	:	Rundeck
• <b>BUILD</b>	:	Maven, Gradle, NPM, PIP
• <b>VERSION CONTROL (SCM)</b>	:	GIT, GitHub, GitHub Desktop, Sourcetree, Perforce (Helix Core)
• <b>GIT REPOSITORY</b>	:	Github, GitLab, Git BitBucket
• <b>CONTINUOUS INTEGRATION (CI)</b>	:	Jenkins Files / Pipelines, TeamCity, GitLab, GitHub Actions, Harness
• <b>CONTINUOUS DEPLOYMENT (CD)</b>	:	Jenkins Files / Pipelines, TeamCity, GitLab, GitHub Actions, Harness
• <b>PIPELINE VISUALIZATION (CI/CD)</b>	:	Open Blue Ocean, Mark As Default (MAD)
• <b>ARTIFACTORY</b>	:	JFrog, Sonatype Nexus Repository Manager
• <b>CONTAINERIZATION</b>	:	Docker, Podman, DTR, Docker Hub, UCP, Rancher
• <b>CONTAINER ORCHESTRATION</b>	:	Swarm, Kubernetes, Helm, Cobalt Stack, Nomad UI, Flannel
• <b>SERVICE MESH</b>	:	Istio
• <b>SERVICE DISCOVERY</b>	:	Consul
• <b>CLOUD SERVICES / ARCHITECTURE</b>	:	AWS, GCP, Azure, OpenStack
• <b>CONFIGURATION MANAGEMENT</b>	:	Ansible, Ansible Tower (AWX), Progress Chef
• <b>INFRASTRUCTURE AS CODE (IaC)</b>	:	Vagrant, Terraform, Ansible, Cloud Formation
• <b>VAULT / SECRETS</b>	:	Hashicorp Vault, Ansible Vault
• <b>SECURITY / VULNERABILITY</b>	:	Open Text, Snyk, Trivy
• <b>MONITORING AND ALERTING</b>	:	
• <b>DATA COLLECTOR</b>	:	Elastic Search, Loki, Prometheus
• <b>DATA STORAGE</b>	:	Prometheus, InfluxDB
• <b>DATA VISUALIZATION</b>	:	New Relic, Nagios XI, LogicMonitor, ELK, Grafana, Site24x7, Node status
• <b>LOG MANAGEMENT / ANALYSIS</b>	:	Splunk, Grafana
• <b>APM / OBSERVABILITY</b>	:	AppDynamics, Dynatrace, Datadog, Ops Page, Front Door, Inspector
• <b>ALERTING</b>	:	PagerDuty, Nagios, Splunk, Slack

## DISTINCT TECHNICAL SKILLS

• <b>SYSTEM ADMINISTRATION</b>	:	Linux, Windows
• <b>DESIGN AND PLAN</b>	:	Lucid, app.diagram
• <b>DOCUMENTATION</b>	:	Confluence, Wiki, GitHub Wiki
• <b>ARCHITECTURE / DEPLOY</b>	:	Monolithic, Core Stack, Legacy, Microservices
• <b>IDE</b>	:	IntelliJ IDEA, Visual Studio Code, Sublime Text
• <b>DEVELOPMENT</b>	:	Java, Python, Laravel, React, Node, Ruby, PHP
• <b>TEST</b>	:	Selenium, JUnit
• <b>CODE QUALITY</b>	:	SonarQube
• <b>MESSAGING QUEUE</b>	:	RabbitMQ
• <b>RDBMS</b>	:	Postgres, MySQL, MongoDB, SQLite, Oracle, SAP HANA, Cassandra, Kafka
• <b>WEB SERVERS</b>	:	Apache (HTTPD), Nginx
• <b>APPLICATION SERVERS</b>	:	TomCat, JBoss, WildFly
• <b>STACK</b>	:	LAMP, MEAN, MERN
• <b>API</b>	:	Swagger, Postman, Druid
• <b>IT MANAGEMENT</b>	:	Service Now, Spiceworks
• <b>AGILE/SCRUM METHODOLOGIES</b>	:	JIRA, Kanban, Scrum, Sprint, Calendar
• <b>INSTANT MESSAGING</b>	:	Microsoft Teams, Skype, Google Chat, Slack, WebEx
• <b>VIRTUALIZATION</b>	:	Oracle VM Virtualbox, VMware, VMware vSphere, Hyper-V, KVM
• <b>SERVER OS</b>	:	RedHat, CentOS, Ubuntu, Windows, Raspbian, Ubuntu Core
• <b>LINUX</b>	:	Installation, Configuration, Setup, Patching, LVM, Cron, etc
• <b>WINDOWS</b>	:	Active Directory, User Management, Computer Management
• <b>IOT</b>	:	Raspberry Pi, Raspbian, Firmware, Sniffer,
• <b>NETWORKING</b>	:	DNS, DHCP, TCP/IP, VPN, Wireless
• <b>DNS AND IP</b>	:	RedHat IPAM, Cloudflare
• <b>BACKUP</b>	:	Veeam, rsync
• <b>SERVER MANAGEMENT</b>	:	Data Kitty, SRE Tools, GitLab
• <b>AI TOOLS</b>	:	ChatGPT, Google Gemini, Microsoft Copilot, DeepSeek