

## Dileep Kumar · DevOps Engineer

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Skilled DevOps Engineer with a Passion for **Implementing Kubernetes** and other **Cloud Native Technologies**.

### Skills and Competencies

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Python · Golang · HCL · Shell Scripting · Docker · Istio · Kubernetes · Ansible · GitHub · Azure DevOps · Octopus Deploy · Argo CD · Kyverno · Prometheus · Zabbix · Nagios Core

### Certifications & Trainings

Certified Kubernetes Administrator (CKA), ID- LF-2rgumfryom	2024
Docker & Kubernetes Workshop, PyCon	2017
Red Hat Certified Engineer (RHCE), ID- 140-173-741	2015

### Recent Experience

#### Project Lead, Chargeking.in

**2022-2025**

- Led development of an EV charging app with automated CI/CD pipelines using **Azure DevOps**.
- Executed hands-on PoCs with cloud-native tools by deploying Kubernetes clusters on **EKS, GKE** while implementing GitOps practices using **ArgoCD** and **Helm**
- Strengthened **DevSecOps** skills through CKS certification preparation and hands-on PoCs with security tools like **Kyverno** for policy enforcement and **Istio** for service mesh
- Established comprehensive observability using **Prometheus & Grafana**, and implemented **MLOps** practices with **Kubeflow** for automated model pipelines.
- Contributed to the hiring process by **interviewing** candidates and evaluating them based on technical skills.

#### Family Care and Personal Development, Sabbatical

**2019-2022**

- Took a sabbatical to support a family member undergoing chemotherapy during the COVID-19 pandemic.
- Created a homelab hosting **K3s** using Proxmox and Minikube.
- Studied for the Certified Kubernetes Administrator (**CKA**) exam.
- Engaged in philosophical reading to develop **critical thinking** and **analytical skills**.
- Bridged technology and cultural preservation through digital initiatives at **Folk.Exchange** NGO.

#### Associate Cloud Consultant, PC SOLUTIONS PVT LTD

**2018-2019**

- Introduced DevOps practices through hands-on training using **Azure DevOps**.
- Conducted PoCs for **Azure Blockchain Workbench, Azure Search, and Elastic Query**.
- Developed **PowerShell scripts** for maintenance tasks and log rotation to blob storage.
- Provided support for SQL DB, MySQL DB, VMs, and networking, and configured RAID 10 on critical disks.

- Managed disks and demonstrated solutions for **Windows**, **RedHat**, **Ubuntu**, and **SUSE Linux** on **Azure**.

### **Cloud Engineer, CYBER GROUP INC, NOIDA**

**2016-2017**

- Deployed various servers and implemented CI/CD pipelines using **Azure DevOps**, **VSTS**, and **Octopus Deploy** for .NET projects, including multi-tenant and rolling deployments.
- Configured and managed Jenkins pipelines for automated CI/CD workflows
- Conducted **F5 blue-green** production deployments and automated CI/CD pipelines with PowerShell.
- Package Management using **Chocolatey** on Windows servers.
- Automated infrastructure on VMware and Azure with **Terraform** and **ARM Templates**.
- Provisioned and managed multiple server types including **Couchbase**, **MongoDB**, **Graylog**, **Sitecore**, **Chef**, **Jira**, **Ubuntu**, and **Zabbix**.

### **Software Developer, AWS Cloud, CALLATHOME**

**2015-2016**

- Developed and managed backend systems for an on-demand **chauffeur delivery app**.
- Created and deployed PHP APIs for **Google Maps** area constraints and time/area-based pricing algorithms.
- Implemented server security hardening and CI/CD with **CodeDeploy**.
- Automated tasks using Shell scripting and managed backups.
- Configured and managed AWS **Ubuntu** machines, implementing security measures and Auto-CodeDeploy with GitHub.

### **Software Developer, AWS Cloud, QUBIT TECHNOLOGIES**

**2014-2015**

- Developed REST APIs in PHP for an IoT project.
- Implemented OAuth in OSTicket and automated Google Sheets tasks with ZendGData.
- Set up **Nagios Core** for monitoring with NRPE and NSClient++ on Linux and Windows.
- Created and managed **MySQL** databases and wrote Shell and Perl scripts for performing AWS backups.

### **Projects**

- **Technical Blog**: This blog covers a diverse range of technical topics, from Semiconductors ,Linux, Edge Computing to Machine Learning. [blog.dileepkushwaha.com](http://blog.dileepkushwaha.com)
- **Folk.Exchange**: Contributed to the NGO by developing web solutions and planning initiatives for digitizing intangible cultural resources, including languages, art, and traditions.

### **Education**

- M.Tech, VLSI Design, ITM University, Gurgaon 2012-2014
- B.Tech, ECE, North-Eastern Hill University, Shillong 2007-2011

### **Hobbies**

- Reading books, listening to music and podcasts, testing new video games.