

Dileep Kumar • DevOps Engineer

email dileepkushwaha@hotmail.com *web* blog.dileepkushwaha.com

github dileepkushwaha *linkedin* kushwahadileep

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

Skills and Competencies

Python ▪ Golang ▪ HCL ▪ Shell Scripting ▪ Docker ▪ Istio ▪ Kubernetes ▪ Ansible ▪ GitHub ▪ Azure DevOps ▪ Octopus Deploy ▪ Argo CD ▪ GitLab ▪ 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

Co-founder, Chargeking.in

2022-2024

- Led development of an **EV charging app** and coordinated with suppliers for charger procurement.
- Acquired beginner-level exposure to Golang programming language.
- Gained hands-on experience with cloud-native tools by conducting PoCs on **ArgoCD**, **OpenTofu**, **Pulumi**, **Helm Charts**, **Istio**, **Prometheus & Grafana**, and **MLOps** with **Kubeflow**.
- Implemented PoCs for Kubernetes clusters on **Amazon EKS**, **Azure AKS**, and **Google GKE**
- Studied for the Certified Kubernetes Administrator (CKA) exam.

Family Care and Personal Development, Sabbatical

2019-2021

- Took a sabbatical to support a family member undergoing chemotherapy during the COVID-19 pandemic.
- Continued to develop technical skills by learning new programming languages and frameworks such as Rust, Flutter, and Go, and started writing blogs and creating a digital garden using Obsidian.
- Created a homelab hosting K3s using Proxmox and Minikube.
- Engaged in philosophical reading to develop critical thinking and analytical skills.

Associate Cloud Consultant, PC SOLUTIONS PVT LTD

2018-2019

- Managed 5 MS SQL server migrations and introduced DevOps practices through hands-on training and 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.
- Provisioned infrastructure on VMware with Terraform and provided Git training and support.
- Conducted F5 blue-green production deployments and automated CI/CD pipelines with PowerShell.
- Utilized VSTS API for data gathering and scheduled tasks with cronjobs.
- 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.
- Web-scraped driver information using Selenium.
- 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
- **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.