

# Sushil S Bhile

Senior Software Engineer | CKA | CKAD

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5+ years of experience specializing in cloud-native system design using Kubernetes and Golang. Certified Kubernetes Administrator (CKA) and Application Developer (CKAD). Delivered multi-cluster platform solutions, and microservices architecture for large-scale enterprise environments. Designed and maintained **infrastructure workflows** using tools like **Kubernetes Operators**, **CloudFormation**, and **Helm**. Strong focus on **system reliability**, performance optimization, and reducing operational overhead through scalable architectures. Collaborative mindset with cross-functional teams; actively mentoring peers and aiming for **engineering leadership** through **technical ownership** and **team enablement**.

## EXPERIENCE

### Diamanti Software, Pune- Senior Software Engineer

June 2019 - PRESENT

#### 1) Spektra (Multi-Cluster Management):

- a) Led the **upgrade of Spektra to support Kubernetes versions 1.23** through 1.32, ensuring compatibility across all components by updating Go code, deprecated APIs, and vendored packages.

**Tech Stack:** Golang, Kubernetes, Cluster API

- b) Contributed to the development and **lifecycle management of SpektraSVC Kubernetes Operator**, responsible for deployment, monitoring, and auto-recovery of system components.

**Tech Stack:** Golang, Kubernetes Operator SDK

- c) Designed and implemented an end-to-end **metrics and telemetry pipeline** comprising 7+ components; built RESTful APIs to process data of cluster-wide resources.

**Tech Stack:** Prometheus, Thanos, Collectd, Kubernetes, Golang, Shell/Python

#### 2) Ultima Accelerator and Ultima Enterprise:

- a) Owned and executed **K8s upgrade cycles from v1.29 to v1.32.5+**, including module tidy, CRD refactoring, and dependency vendoring across services.
- b) **Reduced container image vulnerabilities** from 25,000+ to <2,000 by updating base images and patching critical packages, contributing to
- c) Improved product security posture in line with the NERC CIP standards.

## PROGRAMMING LANGUAGES

GoLang

Shell Scripting

C

Python

DRF

## OTHER SKILLS AND TOOLS

Kubernetes

Git

Microservices

Docker

REST

Postman

Linux

## PROFILES

[GitHub](#)

[LinkedIn](#)

[Leetcode](#)

## ACCOMPLISHMENTS

Diamanti Beyond Call of Duty 2020

Diamanti Evangelist

- d) Delivered key features such as **SNMP support, live migration using KubeVirt, and metrics collection** enhancements for customer deployments and all kubernetes objects.

### 3) Release Management Portal:

Solely designed and implemented the backend of an internal portal **handling regression coverage data** across 25+ product releases, storing **millions of test case records** with daily updates of thousands of records. Built for horizontal scalability via microservices.

**Tech Stack:** Django REST Framework (DRF), Docker, Kubernetes

### 4) Deployment of Hashicorp Vault on AWS cloud:

Designed and deployed **high-availability HashiCorp Vault setup across AWS** with public-private VPCs, EC2 (auto-scaling), RDS, ALB, and KMS. Automated unsealing and networking via custom scripts and 500+ lines of CloudFormation templates for consistent and secure IaC-based provisioning.

**Tech Stack:** AWS, Vault, VPC, Subnets, KMS, Auto scaling group, etc

## Coriolis Technologies, Pune — Intern

June 2018 - Dec 2018

- 1) Developed a **license plate recognition system** using classical machine learning techniques for real-time number plate extraction and classification.
- 2) Created **SmartMed – a prototype platform for patient medical history** storage, aligned with concepts from India's ABHA initiative, enabling data access across providers.

## CERTIFICATIONS

1. [Certified Kubernetes Administrator](#) (CKA): Cert no: LF-9wmq0buzq2 ([Credly: Certificate Info & Skill list](#))
2. [Certified Kubernetes Application Developer](#) (CKAD):- Cert No: LF-qn238zkr24 ([Credly: Info and Skill list](#))
3. Few other certifications: [Credly profile](#)

## EDUCATION

### Savitribai Phule Pune University, Ganeshkhind, Pune

*Masters In Computer Applications (MCA): Grade B* June 2016 - May 2019

### Vidya Pratishthan ASC College, Baramati

*Bachelors In Science - Computer Science (BSc - CS): First Class* June 2013 - May 2016