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| PUNEET SHARMA  *B Tech(Information Technology)* | Mob. - +91 9677355991  Email: [puneetsharma.ms@gmail.co](mailto:puneetsharma.ms@gmail.com)m  GitHub: <https://github.com/puneet105>  LinkedIn:<https://www.linkedin.com/in/puneet-sharma-59591049> |

**Profile:** A self-motivated and hardworking fresher seeking an opportunity to work in a challenging environment to prove my skills and utilize my knowledge & intelligence

In the growth of the organization.



**Skills/Tools Highlight:**

Environment : Linux, windows, CentOs, MacOS

SDLC Models : Framework - Agile Development Methodology , Jira

Cloud Infra : AWS, GCP

Programming Language : C, GoLang, Shell Scripting, Graphql.

DevOps Tools : Docker, Containers, Jenkins, Openshift, Kubernetes, Microservices, Terraform, Ansible, Swagger, GitHub, Buildkite, Kong, Helm, Garden.io, Prometheus,

Grafana

Certification : AWS Certified Developer Associate



**Work Experience:**

**Engineering Lead (Persistent Systems) 03/23 – Till Date | Gurugram, Haryana**

Project – Wayfair

* Created a framework from scratch to validate and test all the Istio related features on GKE cluster. Tasks included - Developing a framework in GoLang using cobra-cli tool
  + Exposing prometheus metrics for every feature.
  + Creation of helm chart and respective templates to deploy this framework across multiple clusters by creating cluster specific values file.
  + Setup a grafana dashboard to analyze what all features are getting validate/failing.
* Led a team of 5 members and helped them get a proper understanding of various tools they were being used in the project such as – Buildkite, Garden.io, Hashicorp Vault, Kong, Helm.
* Helped employees from other sub tracks in resolving their doubts and unblock them from any such blockers.
* Worked on various operational tickets related to custom operators in GKE, alert manager**.**

**Professional II Engineer (Capgemini) 08/21 – 03/23 | Gurugram, Haryana**

Project – HPE Nimble Storage

* Executing daily scrum meet, assigning day to day task in progress sheet, updating the same after completion, identification, and modification of progress sheet to reach a milestone with good coverage as per schedule.
* Working in a backend team as a GoLang developer using GraphQL for faster API response.
* Analyze business requirements and create sub tasks for each story in the sprint.
* Analyze Jenkins logs for resolving issues in build scripts.
* Worked on various P1 and P0 bugs from triaging those issues to debugging it thoroughly and delivered them on time post fixing.
* Worked on migration of existing API endpoints to a new repository from scratch and wrote respective Dockerfile, deployment file and service file for the same to run it as a separate microservice on kubernetes cluster (on dev single node cluster using minikube and on prem multiple node kubernetes cluster hostedcon AWS)
* Implemented coding best practices in team and was always ready to understand and solve the problems of team members at personal and professional level.

**Programmer Analyst (Cognizant Technology Solutions) 01/21 - 08/21 | Noida, UP**

Project - Edge Scalar (MEC) Multi-access Edge Computing

Multi-access Edge Computing (MEC) offers application developers and content providers cloud-computing capabilities and an IT service environment at the edge of the network. This environment is characterized by ultra-low latency and high bandwidth as well as real-time access to radio network information that can be leveraged by applications.

* Setup up an EKS Cluster which is fully customizable on AWS using Terraform.
* Setup up a fully managed kubernetes cluster on AWS using kubespray which uses ansible-playbook under the hood.
* Wrote a cobra-cli’s from scratch in GoLang to setup a fully managed kubernetes cluster on AWS using kubespray which are calling shell scripts(written from scratch) in the background to setup an environment and mounting an ebs on ec2-instances and deploying a cluster onto those instances.
* Wrote a go swagger api from scratch :
* Infrastructure related LCM API’s such as: createS3Bucket, createEc2Instance, updateRequirements, getInstanceStatus, createCluster, deleteCluster
* Application related LCM API’s such as: fetchApp, prepareApp,deployApp, deleteApp, getAppList, getAppListByID
* Wrote some Docker files to containerize the api server and other applications.
* Wrote yml files for the app deployment on clusters such as kubernetes, openshift.
* Worked on various AWS services like- EC2, EBS, S3, ALB, CF,AGS,VPC etc.

**Programmer Analyst (Cognizant Technology Solutions) 01/20 - 01/21 | Noida, UP**

Project - Intel RDK-B Middle Ware

* Reference Design Kit for Broadband (RDK-B) is an open source initiative standardizing software functionalities for broadband devices enabling MSOs to eﬃciently deploy services to a large customer base.
* RDK-B is based on Cisco’s Common Component Software Platform (CCSP) and is a fully modular, portable, and customizable software solution for broadband devices.
* RDK Middle Ware Yocto Integration which includes recipe creation and making it a part of RootFS. Then ﬂash that image on raspberry PI.
* Worked on a task to ﬁgure out where are we deﬁning the ﬁnal RootFS compressed image size and the threshold value.

**Programmer Analyst (Cognizant Technology Solutions) 07/19 - 01/20 | Noida, UP**

Project - Charter vRouter

* Worked on a project where virtual router is implemented inside of docker container where communication happens on layer2 for ethernet mode.
* Did some testing of various DHCP features such as- DHCP server setup, DHCP static IP reservation, Port forwarding, DNS server etc.
* Implemented a Device Freeze(Parental Control) functionality for a router.
* Implemented the Device stats feature where devices will send tx/rx bytes to the router.
* Fixed a bug where devices were showing up in ethernet mode instead of Wifi mode.

**Analyst [Onsite Work] -Cisco Systems (India) Private Limited 07/18-07/19 | Chennai, TN**

Project – cDVR

* The Cloud DVR (cDVR) solution provides the ability to record and play back live assets in a time-shifted or DVR format over any network, to any supported device, and manage personalized recording schedule.
* Worked on the Data Plane of the video business which provides media ingest, preparation, recording, storage, and publishing functions. It was a micro service type architecture where I have worked on GoLang and Node.js.
* The project involved the process of containerizing the legacy components of Cisco Video Platform.
* Have worked on writing Docker ﬁles that are being used for building these legacy components as docker images, pushing those images to the artifactory and deploying them on OpenShift(onPrem) and on kubernetes(onDev)
* Worked on multiple successful releases (Go-Live) cycles in Scrum (agile) model and experienced in estimation process. Worked on the development and enhancement of project application
* Worked on a task where I had separated a service running as a pod on kubernetes cluster and brought up a new service from scratch.
* Worked on a task where I had implemented redis sentinal cluter and configure it as a cache for one of the service which was written in node.js



**Project Work:**

Projects listed below are there on my GitHub Account

1. Created a portfolio website of myself using bootstrap 4 , html and css and hosted it on a AWS ec2 instance where http server is running

2. Created a web app in GoLang where we can request for the content using JSON based API and get the response.It also contains various resource paths.

I have created a jenkins CI/CD pipeline which will pull code from your repository and build the docker image then push it to the docker hub registry. Pipeline is in groovy scripting language.



**Certifications:**

* AWS Certified Developer Associate - <https://www.credly.com/badges/a43ded91-27b9-4b0c-9ef4-58be28873f52/linked_in>

## Getting Started With Application Development - <https://www.coursera.org/account/accomplishments/verify/WWU9GKAHKQ67>

## Securing and Integrating Components of your Application - <https://www.coursera.org/account/accomplishments/verify/H46FTXTTZMWA>

## App Deployment, Debugging, and Performance - <https://www.coursera.org/account/accomplishments/verify/YMX9CGVFJD8T>



**Academic Details:**

B. Tech (Information Technology) VIT University, Vellore CGPA- 8.17/10 2013-2017

(HSS) DAV Centenary Public School (CBSE), Ajmer Percentile-76.6% 2013

(SS)DAV Centenary Public School (CBSE), Ajmer CGPA-7.6/10 2011



**Personal Details:**

Gender : Male

Language Known : Hindi, English

Nationality : Indian

**I hereby declare that the above information is true to the best of my knowledge.**

**Name: Puneet Sharma**

