

Samarth Deyagond

Core K8s Developer @ SAP Labs | Aspiring Product Manager | OSS & Cloud Native Advocate

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<https://axiomsamarth.github.io>
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<https://youtube.com/c/SamarthDeyagond>

Skills

Programming & Scripting Languages	: Golang, Python, C, basics of Bash & PowerShell
Web Technologies	: HTML5, CSS3, JS, Bootstrap
API Development	: Python-Flask, Python-Falcon Frameworks
Database Management System	: MongoDB, MySQL
Technology Domains	: Cloud, Virtualization, Containers
Platform & Tools	: Linux, Kubernetes, GitHub, Jenkins

Work Experience

Developer @ SAP Labs

June 2020 - Present

Gardener, Core SAP Cloud Platform

Gardener is an open sourced, fully managed K8s Control Plane as a Service that offers homogenous K8s clusters on any cloud platform in a way that is customisable & scalable.

- Maintainer & Contributor of Open Source Project Machine Controller Manager (MCM)
 - Developed Custom resources and their corresponding controllers to manage the lifecycle of the underlying machines of a K8s cluster running potentially on any cloud provider.
 - Migrated the machine controller for Azure provider as an independent machine controller with enhanced unit test framework using the Azure-SDK for Go.
 - Involved in code reviews of in-house and external contributions to MCM.
- Apparently started my Product Management mentorship under the Product Manager of Gardener
 - Proposed documentation standards for MCM & compiled the documentations for developer & user personas.
 - Offered training on Kubernetes at SAP Innovation Challenge event.
 - Published educational blogs, OSS community presentations, webinars.

Software Engineer @ Hewlett Packard Enterprise

July, 2018 - June, 2020

HPE Composable Networking

- Involved in REST API development for HPE Composable Fabric Manager (CFM), a SDN Stack.
- Developed, owned and maintained open source Golang SDK for HPE CFM.
- Contributed to the open source project HPE-CLI that aims at developing a unified cli to manage all the HPE products by developing CLI related to CFM using Cobra Framework in Golang..

HPE Enterprise Solutions and Performance

- Developed Reference Architectures and E2E enterprise class private cloud solutions of VMware Cloud Foundation on HPE Synergy.
- Developed 'Solution API' to host and manage various workloads on private cloud.
- Developed Open Service Broker API for RedHat OpenShift and integrated it with the HPE OneSphere, a multi cloud management platform.
- Developed a full stack management console to manage multiple instances of VMware Horizon Connection Servers for enterprise class Virtual Desktop Infrastructure management.

Other engagements at HPE

- Filed 3 invention disclosures at HPE on *Smart Data Center, Programmable Reference Architecture* and *Accelerated VMaaS using Machine Learning*.
- As an active member of HPE University Relations, I have championed recruitment drives at various colleges, lateral hiring at HPE and volunteered at onboarding events.
- Mentored HPE Interns as their Onboarding Buddy.
- Presented tech talks to empower HPE pre-sales team as a member of HPE DEV Community.
- Contributed several technical blogs for HPE DEV Community.
- Developed a web based campus recruitment tool to carry out the campus recruitment.

R&D Intern @ Hewlett Packard Enterprise

January, 2018 - July, 2018

HPE Server Software Development

- Proposed a new concept of Smart Data Center.
- Developed a Unified Test Framework to run regressions on multiple Powershell cmdlet suites
- Migrated the build process to the HPE Internal Cloud called Morpheus.
- Developed a full stack web console to monitor the server health and other stats.
- Setup Jenkins pipeline to enable continuous integration for the project.
- Developed a registration and verification portal for HPE Codewars.

Research Intern @ Indian Institute of Technology, Ropar

May, 2016 - July 2016

- Worked on 'Crowdsourced knowledge building' and proposed a qualitative theory for how knowledge grows in Wikipedia.

Education

Bachelor of Engineering, CS&E 2018

9.33 / 10

Sri Jayachamarajendra College of Engineering, Mysuru

Pre University Course 2014

96.0 %

Karnataka Science College, Dharwad

Matriculation 2012

98.72 %

Pavan English Medium High School, Dharwad

Personal Projects

(The projects are available at <https://github.com/axiomsamarth/>)

Gita.io	: API adhering to the OpenAPI v3.0 serving the Bhagavad gita verses.
Prism	: Software for campus recruitment drive and lateral hiring.
Browser extensions	: Browser extension for custom background image using Chrome API.
Sentiment Analysis	: Twitter sentiment analysis using NLP and NLTK Python library.
Emotion Detection	: Detection from facial expressions with ML, Image Processing.
Digit Recognition	: Optical Digit Recognition using basic Image Processing.

Achievements

- Won 60-day trading challenge by Zerodha thrice	2020
- Member of Google Assistant Developer Community	2018
- 3rd Best Technical Presentation Award at HPE Intern Project Fair	2018
- Fellow of Indian Academy of Science, Bengaluru	2016
- Special Student at UG Summer School at IISC, Bengaluru	2017