

Tarun Pothulapati

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WORK EXPERIENCE

- **Senior Software Engineer, Gitpod** Remote
Golang, Kubernetes *February. 2022 – Jan. 2023*
 - Part of the **Delivery Team**, and Helped build the **self-hosted installation of Gitpod** on Kubernetes with monthly release cadence along with a focus on automated testing pipelines, telemetry, etc.
 - Worked on a preview version of Gitpod which **packaged the full Gitpod experience in a single docker container** for self-serve enterprise users.
 - Helped various teams in **being confident with their part of delivery, by building tools** for upgrades clusters, components catering both to the SAAS instance, and self-hosted users.
- **Software Engineer, Buoyant** Remote
Linkerd, CNCF Incubated OSS Service Mesh project *March. 2020 – January 2022*
 - **Linkerd Maintainer**, focusing on the control-plane written in Golang.
 - Worked on various e2e features like the extensions, new upgrade flow, etc starting from the **design phase all the way till integration tests**.
 - Played a key role in moving the **CLI logic to use Helm package internally**, and thus having only one logic to support thereby **reducing maintainer burden**.
 - Helped move SMI functionality into a separate extension, by writing a controller that converts SMI resources into resources that Linkerd can understand. This helped in **having better separation of concerns**.
 - Participated in **various OSS project outreach activities** like Documentation, Technical talks/blogs, Slack support, etc.
- **Intern, Community Bridge Program** Remote
Linkerd and Jaeger, Cloud Native Computing Foundation(CNCF) *October. 2019 – Present*
 - Working on adding Distributed Tracing Support to Linkerd with Open Telemetry and Jaeger as the components.
 - Working on an add-on model for Linkerd, to provide Out-of-box experience both through Helm and Linkerd CLI.
- **Google Summer Of Code 2019** Remote
Linkerd, Cloud Native Computing Foundation(CNCF) Incubated Project *May. 2019 – September. 2019*
 - Worked on implementing Service Mesh Interface (SMI) Metrics spec for Istio, Consul and also making the project more extensible.

PROJECTS

- **[gh-action-trace](#)**
Rust, tracing, Jaeger
 - A CLI to generate traces for GitHub Action runs by retrieving the metadata from GitHub API.
 - Useful to understand the overall timings of GitHub Action runs and in understanding where things are slow.
- **[Docker](#)**
Golang, Client-Go, Docker, Kubernetes
 - Docker is a cli tool that provides a docker-cli experience but for a Kubernetes Cluster
 - It allows users to manage Images and Containers on the Kubernetes nodes by running a daemonset which interacts with the docker daemon.
- **[Tsep: Telangana State Eamcet Predictor](#)**
C#, Asp.Net Core, Azure Table Storage, Azure App Service
 - Developed a Web Application which predicted ranks and colleges for students according to their score in EAMCET (Engineering Agricultural and Medical Common Entrance Test).
 - The prediction is almost accurate as it is based upon previous years data and analytics.

TECHNICAL TALKS

- **How Linkerd Transforms Code into running Software:** at GitHub Satellite India 2021
- **Piecing together Rust: It is more than just writing code:** at RustFest Global 2020
- **Overview and State of Linkerd:** at KubeCon + CloudNativeCon North America 2020
- **CNCF Hyderabad Meetup Group:** Part of the organising team, to have an active community around Cloud Native Technologies in Hyderabad.

EDUCATION

- **Vardhaman College Of Engineering** Hyderabad, India
Bachelor of Technology in Computer Science; CGPA: 9.16 *Aug. 2016 – March. 2020*
- **Sri Chaitanya Junior College** Hyderabad, India
Intermediate: Maths, Physics and Chemistry; 95.1% *Jun. 2014 – March. 2016*

AWARDS AND RECOGNITIONS

- **KubeCon + CloudNativeCon NA 2019:** Was awarded scholarship to attend the conference which happened in **San Diego, California, USA** on **18th November 2019**.
- **KubeCon + CloudNativeCon EU 2019:** Was awarded scholarship to attend the conference which happened in **Barcelona, Spain** on **21st May 2019**.
- **Megathon 2017, IIIT Hyderabad:** Won 1st Prize in the IBM Challenge for developing an IT Service Chatbot using IBM Watson and Microsoft Bot Framework.
- **AICTE All India Startup Contest 2017, Chennai :** Was one of the top 40 finalists across the Country.
- **IEEE SS12 National Level Competition 2017 , Hyderabad :** Won the second prize for developing Dr.Bot, a healthcare assistant.

CERTIFICATIONS

- **Certified Kubernetes Administrator:** Successfully completed CKA certification by Cloud Native Computing Foundation (CNCF) in February, 2020.
- **Cambridge Business English Vantage certification:** Scored 176/190.

PROGRAMMING SKILLS

- **Languages And Frameworks:** Go, Rust, Python, C#, Java, SQL, .Net Core, Asp.Net Core
- **Technologies:** Kubernetes, Networking, Cloud Computing, Distributed Systems, Linux, Git, NoSQL