

Umang Parmar

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Professional Experience

Product Engineer, *Lyearn*

February 2021 – Present

Remote

- As part of backend and infrastructure team, developing and maintaining microservices written in Typescript and Go and deployed in Kubernetes cluster on AWS.
- Designed an entity-level access framework with Role Based(RBAC) and Attributes Based(ABAC) authorization support.
- Reduced infrastructure costs by migrating from high cost SaaS products to self hosted solutions.
- Automated the production release process, reducing release time and manual developer intervention.
- Developed multi-tenant abstraction layers for MongoDB, Redis, and Elasticsearch.
- Integrated pprof support in our microservices to debug performance bottlenecks with precision.
- Integrated monitoring support in cron jobs to ensure timely executions.
- Mentored one intern and a junior developer, overseeing their work and providing comprehensive guidance on best practices and problem-solving to foster independence and professional growth.
- Advocated for and implemented an on-call system, creating essential protocols and processes for effective incident management.
- Defined and documented standards for coding patterns, code reviews, logging, caching, and data migration procedures.

Software Engineer, *Juniper Networks*

August 2019 – February 2021

Bangalore, India

- Worked on VLAN/VxLAN and L3 Routing protocols on Broadcom chipset based devices.
- Managed fleet of lab devices, network topologies and documentation for build and debug guides for our team's workflow and tools.

Software Engineering Intern, *Juniper Networks*

January 2019 – June 2019

Bangalore, India

- Designed and built an automation tool with UI and CLI to monitor lab resources which helped team monitor their inventory usage and optimize usage patterns.

Google Summer of Code Student Participant, *Debian*

May 2018 – August 2018

Remote

- Worked with Debian Developers and Maintainers to package essential Android SDK tools required for Android App and Custom ROM development.

Skills

Languages

- Typescript, Go, Python, Bash, JavaScript, HTML, CSS, C

Tools and Technologies

- GraphQL, NodeJS, Kubernetes(k8s), Helm, Kafka, gRPC, Docker, pprof, Jenkins, Amazon Web Services(AWS)

Databases

- MongoDB, Redis, Elasticsearch, PostgreSQL

Projects

redisdel - Delete Redis Keys

- Utility cli app written to delete multiple redis key patterns concurrently from the configured Redis server/sentinel.
- Technologies Used: Go
- Github Link: github.com/darkLord19/redisdel

CircleCI Plugin for Mattermost

- Developed a mattermost(Slack alternative for team communication) plugin in collaboration with other two people to perform CircleCI actions and get build notification right from your chat.
- Features provided by plugin,
 - Notifications for failed/successful builds for your subscribed projects,
 - Job approval notification for configured projects and functionality to approve job directly from the mattermost channel
 - Triggering pipeline for given project and branch or tag.
 - Add/remove/list environment variables for projects
 - Get details about pipelines/workflows, metrics of workflows and jobs for past 90 days in you organization.
 - Rerun/cancel workflows
- Technologies Used: Go
- GitHub Link: github.com/mattermost/mattermost-plugin-circleci

Education

B.Tech (Information and Communication Technology),

Dhirubhai Ambani Institute of Information and Communication Technology

2015 – 2019

Gandhinagar, India