

Umang Parmar

umangjparmar@gmail.com | github.com/darklord19 | linkedin.com/in/umang-parmar

Professional Experience

Lyearn, Product Engineer

February 2021 – Present

Remote

- Designed and implemented a document-level access framework with Role Based Access(RBAC) and Attributes Based Access(ABAC) Control.
- Reduced infrastructure costs by 15% by migrating from high cost SaaS products to self hosted solutions.
- Automated the production release process, reducing release time by 90% and minimizing manual developer intervention.
- Designed and developed timeseries data models for user goals, activities and skills metrics, providing rich insights to users.
- Managing a small team of backend developers, looking over their day to day work and ensuring proper time management, code quality and documentation.
- Developed a code generation tool which scaffolds all the boilerplate code for new service / business entity. Reducing time to initial delivery for new feature from ~2 days to ~3 hours while ensuring best practices are followed.
- 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.
- Integrated pprof support in our microservices to debug performance bottlenecks with precision.
- Developed multi-tenant abstraction layers for MongoDB, Redis, and Elasticsearch.
- Integrated monitoring support in cron jobs to ensure timely executions.

Juniper Networks

Software Engineer

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

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.

Debian, Google Summer of Code Student Participant

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, JavaScript, 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