

Umang Parmar

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Skills

Languages

- Typescript, Go, JavaScript, Python, C

Tools and Technologies

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

Databases

- MongoDB, Redis, Elasticsearch, PostgreSQL

Professional Experience

Deel, Software Engineer

Feb 2024 – Present

Remote

- Building backend system for Deel's up and coming Learning Management solutions for Employers.
- Highly involved in the cross organization efforts to migrate legacy Javascript codebase to Typescript.

Lyearn, Product Engineer

Feb 2021 – Feb 2024

Remote

Orchestrated a team of 3 developers as Engineering Lead for Platform and Authorization module; elevated access control mechanisms, improved developer productivity and increased platform performance and resiliency.

- Designed and implemented a document-level access framework with Role Based Access(RBAC) and Attributes Based Access(ABAC) Control.
- Decreased release time by 90% through automation of the production release process, and minimizing the potential for human error.
- Achieved a 15% reduction in infrastructure costs by transitioning from expensive SaaS products to self-hosted solutions.
- Led the migration efforts to upgrade EOL libraries and infra components(such as NodeJS, Redis, Kafka etc) to improve security and performance.
- Developed a code generation tool to scaffold new service or business entity and reduced time to initial delivery for new features by 80%.
- Implemented Jira integration to synchronize issues with the OKR module, resulting in a 15% boost in feature adoption.
- Enhanced platform observability by introducing cron monitoring and performance profiling, resulting in a 60% decrease in untimely cron execution issues and a 10% performance boost.
- Introduced an on-call system, setting up key procedures for better incident management and cutting issue resolution time by 30%
- Managed operational tasks to maintain SOC2 and GDPR compliance.

Juniper Networks

Software Engineer

Aug 2019 – Feb 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 team's workflows and tools.

Software Engineering Intern

Jan 2019 – Jun 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

May 2018 – Aug 2018

Remote

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

Education

B.Tech (Information and Communication Technology),

Dhirubhai Ambani Institute of Information and Communication Technology

2015 – 2019

Gandhinagar, India