

Apoorv Khare

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Software Developer and Open-Source Maintainer

Education

Indian Institute of Technology, Roorkee

2016-20

Bachelors of Technology

Civil Engineering

Contact

Let's connect.

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Projects

go.ly

`Goly` is a smart and super-fast `url-shortener` for the pros. It has many additional features targeting tech-savvy users.

- URL shortening and redirection at scale.
- Advanced analytics & tracking
- Custom links with your brand

Omniport

Omniport is an end-to-end platform and app ecosystem for institutes to deploy their web portal, by and for the students.

Infrastructure

Docker Bash

github.com/imgiitroorkee/omniport-docker/

- Designed architecture to be cloud-native and scalable.
- Deployed as microservices with Docker (+Compose).

Backend

Python Django

github.com/imgiitroorkee/omniport-backend

- Designed to be un-opinionated, flexible & customisable.
- Developed plug-&-play system for Django-based apps.
- Added WebSockets support for real-time interactive apps.

Aeolus

`Aeolus` is a simple and reliable, real-time push messaging service written in golang.

- Event-Driven Design using webhooks.
- provides high durability, and at-least-once delivery, as it uses AWS SQS service.
- Both publisher and subscriber can be language agnostic.

Skills

Python (+Django, Django REST, Flask), Java (+Spring), JavaScript/Node.js (Vue, Vuex, Vue Router, React), CSS (+Stylus, Sass), Golang, C++, PHP, Bash and AWS

Experience

Software Development Engineer | CURELINK

Jan 2022 - Present | Gurugram, India

- Built Google Calendar like system to define recurring sessions for patients with custom reminder and notifications
- Automated chatbot creation for non-technical users by storing the user chat flow as acyclic graph in database
- Built an in-house URL shortener engine by leveraging Postgres functionalities to generate over 10,000 URLs per day with custom analytics, which reduced the overall operational costs by Rs. 4,00,000.
- Built a realtime messaging service using websockets, GoLang, AWS Lambda, API Gateway and DynamoDB
- Built a data pipeline to aggregate data from ZOHO CRM using webhooks and AWS Postgres database to provide a unified storage interface for improved analytics in Mixpanel.

Software Engineer | Nference Labs

Aug 2020 - Dec 2021 | Bangalore, India

Nference works towards making biomedical data computable to solve urgent healthcare problems using cutting edge tech.

- Built software to process and analyze hundreds of thousands of DNA & scRNA sequencing data and their annotations in a systematic, automated manner in near real-time.
- Developed Biomolecular Application (SingleCell) in Go. Which is open-sourced at academia.nferx.com. Worked on Go, GRPC, Apache Zookeeper.
- Developed tagging/reporting tools for reporting bugs from internal/external pharma customers. worked on NodeJS, Go, React and JS.
- Built an internal platform for dynamic allocation of VMs, Notebooks, disks & database for non-tech users leveraging gcp, azure & aws APIs.

Google Summer of Code 2019 | phpMyAdmin

May 2019 - Aug 2019 | Remote

Added new features and fixed major bugs in a widely used web interface for MySQL and similar databases, phpMyAdmin.

- added functionalities to theme generator tool, which allows users to create their custom themes
- Added functionality to mark relevant databases as favorites.
- Implemented a 'GO-TO navigation' to provide a better navigation experience to the user.

Full Stack Developer Intern | DataPhi Analytics Labs

May 2018 - July 2018 | Bangalore, India

- Developed an LMS software for a client company.
- Added Push notifications, Role-Based Access and customized user workflow to the system..
- Tech-Stack: Liferay, Java, Spring, PostgreSQL, Git.