Kartik Yadav

war-turtle.github.io/portfolio
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EDUCATION

NIT, KURUKSHETRA
B.Tech in Computer Science
National Institute of Technology
June 2021 | Kurukshetra, Haryana
Cum. GPA: 9.2 / 10.0

RPS SCHOOL
Non-medical
March 2017 | Haryana
CBSE 12th Percentage: 94.4%
CBSE 10th CGPA: 9.8/10

LINKS

Github:// war-turtle
LinkedIn:// war-turtle
portfolio:// portfolio

COURSEWORK

UNDERGRADUATE
Web Development
Linux Programming
Operating Systems
Cloud Computing
Object Oriented Programming
Computer Networking
Database
Data Structures and Algorithms
Machine Learning

SKILLS

PROGRAMMING
Javascript • Java • Kotlin • NodeJS
Python • Shell • Go • C/C++
Tools:
ReactJS • gRPC • GraphQL • MongoDB
AngularJS • MySQL • Django • NextJS
Docker • kubernetes • Ansible • AWS
Firebase • GCP • Linux

ACHIEVEMENTS

- Cost Optimization in udaan warehouse by optimizing operational cost and db calls.
- Handled millions of api requests and 500+ users using just an AWS EC2 free-tier by designing OBSCURA in an optimized way to take as less resources as possible.

EXPERIENCE

UDAAN | Engineer
July 2021 - Present | Bangalore, India
largest and fastest-growing B2B commerce startup in India!

- Worked in a **fast paced environment** with the warehousing team in **Supply Chain** to directly impact the life of daily users of the product.
- Developed **HHD Dispatch** which provided tighter control over the life-cycle of the SKU which helped in cost optimization of ~1Million rupee per month.
- Developed **Pick By Order** and integrated **Tote management** in warehouse flows which lead to better SKU tracking and shorter delivery time.

APPSTREET | Fullstack Developer
July 2020 – Oct 2020 | Gurugaon, India

- Developed the **VOD** service for a fitness training app using **React JS** and different services provided by **Amazon Web Services(AWS)** like **AWS lambda, AWS MediaConvert, AWS S3, AWS CloudWatch**, etc.
- Designed and developed the **Billing Service** to calculate bills of the customers based on their usage of different services which helped in generating **fine tuned bills**.

GOFLATMATES | Software Engineer Intern
Jan 2020 – July 2020 | Gurugaon, India

- Worked on **NEXTJS** to improve UI/UX, improve **SEO** and **GraphQL** api written in **NodeJS** running in a **microservices architecture** using **Kubernetes**.
- Designed and developed the system for **A/B Testing** which is capable of releasing new features to particular users based on a pre-defined criteria.
- Worked on the **Real-Time Chat System** made using **WebSockets** to increase user interactivity on the platform.

GOOGLE CODE-IN | Mentor
2018 | OpenSource

- Responsible for assigning tasks, code review and guidance to GCI participants.

PROJECTS

HOME-TURTLE | Self Hosted Home Lab
github repo
HomeTurtle is a **self hosted and self managed home server**.
Everything like **OS, containers, monitoring, DNS server, CI/CD pipeline**, etc was setup from scratch to learn how different technologies work.
Technologies used: **Arch linux, K3s, Docker, Prometheus, Grafana, PiHole**, etc

OBSCURA | Online crypto hunt event
frontend-repo backend-repo | **Got 11k+ views, 4k+ sessions, 2.3k+ Visitors in 3 days**
Online crypto hunt event made using **React JS, Golang and gRPC** (gRPC Remote Procedure Calls) microservices to serve the requests over **HTTP2 using Protobuff binary protocol** and deployed using **docker swarm** to provide zero down-time with **Envoy reverse proxy**.

COCONTAINER | Linux Namespaces
github repo
Implementation of **linux namespaces** in golang to learn how various containerizing systems (like docker) works.