

KRITAGYA KHANDELWAL

Senior Software Engineer at Yubi | BTech CSE 2021 (IIIT Una)

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EXPERIENCE

Senior Software Engineer

Yubi

July 2022 - Present Bengaluru

- Mentoring and Building **microservice** from the ground up with **Java, Springboot, Elasticsearch, MongoDB, Temporal**, and **Kafka**. Implemented **CQRS** flow for the same and using **GraphQL** as API architecture.
- Optimized** Homepage load time by **5x** by introducing **GraphQL** and **reactive/Async programming** in the BE ultimately reducing network calls and latency.
- Constantly Introducing **Optimizations** in the Backend at Query, Index as well as Infra level.

Software Engineer

314e Corporation

Jun 2021 - July 2022 Bengaluru

- Worked on **Back-end(FastAPI)** using python, **Postgres** for API Development and **RabbitMQ** for message queuing.
- Automated** the **Accessibility Validation** on auto-built web-pages using **DOM** and **CSSOM** with python.
- Worked around the **Authentication and Authorization** part of product, Using **OAuth 2.0** and **RBAC** as respective strategies.

Software Development - Intern

GrowthGear

Dec 2020 - May 2021 Delhi

- Worked on **ReactJS** for frontend development
- Worked on **socket.io** for Real Time Communication.
- Developed server-side using **Node.js, ExpressJS, mongoDB** and **REST API**. Used **Redis** for caching and improved Backend API's Performance by reducing network calls and DB Interaction.

Summer Intern PLAY

Destiny Design

June 2020 - Aug 2020 Delhi

- Worked as a full-stack developer. Developed Facebook Instant Game from Scratch. Deployed backend webhook on **AWS EC2** instance using apache server, openssl and **nodejs**.
- Built Frontend using **Javascript, JQuery, DOM** with integrating Facebook Instant Games, Messenger APIs to the app, and made the app live for public users.

MY LIFE PHILOSOPHY

A firm believer in self-written quote "Evolution is randomness seeking betterment" and therefore often found thinking about unprecedented possibilities.

SKILLS

- C++ python Java javascript
- Springboot Elasticsearch Kafka
- Postgres RabbitMQ mongoDB
- FastAPI nodejs Express React
- Linux AWS EC2 Docker
- DS & Algo ML and AI

MOST PROUD OF



Got AIR 58
Amazon HackOn 2022



Got 391 rank Globally
Google Kickstart round C 2022



Onsite Grand Finalist
Smart India Hackathon 2019



Secured 219 rank India
ACM ICPC 2018-19, Team: Vultures



State Level Winner
Mental Maths Quiz 2013

EDUCATION

B.Tech CSE 8.38 CGPA

2017 - 2021 IIIT, Una

Grade 12 88%

2017 RPVV, Delhi

Grade 10 80%

2015 RPVV, Delhi

Software Intern **SEE**

Bharti Airtel

📅 June 2019 – July 2019

📍 Delhi

- Worked on **RHEL physical servers**. Automated the OS installation with the help of anaconda file, **Mount point syncing** between two servers for critical data backups.
- **Apache Server** installation in **RHEL 7** server and hosting a web page.

PROJECTS

Artificial Evolution of Ant **CODE DEMO**

Artificial Intelligence | Machine Learning | python | blender | 3D modeling | Animation

- Built an Artificial 3-D Ecosystem for the artificial ant to thrive and evolve using **blender** and **python**.
- Built the Ant's Brain with the of **Artificial Neural network** and **Genetic Algorithm**.

M.UNO – A multiplayer game **CODE DEMO**

python | networking | TCP | pygame

- Like the Uno game, multi-players can play simultaneously, implemented under the server-client architecture of networking using TCP protocol. Developed using the pygame module of python and multi-threading.

TIMETABLE GENERATOR – An Automatic Timetable Generator **CODE DEMO**

Django | Javascript | Web Assembly | Mysql | C++ | Web Development

- It will help to manage all the periods automatically after maximum and minimum workload for a faculty for a day, week and month will be specified for the efficient generation of timetable. It is a comprehensive timetable management solution for Colleges that help to overcome the challenges in manually setting the timetable.

RCS UDAN – An Android App for domestic flight Reservation **DEMO**

Android | java | XML

- Project for Ministry of Civil Aviation in Smart India Hackathon 2019. That will provide transparency to the Ministry that the subsidy is provided to the passengers and ensures that the subsidy is given to the eligible passenger.

DIGITAL HOSTEL – 3D Map **DEMO**

Graphics | Blender | UE4

- It's a simulation of hostel digitally used unreal engine 4 for level development, and blender for 3-D object development. Used images of actual objects(like doors, almirah) to make the materials for digital object.