Utkarsh Saxena

Software Engineer

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📍 Jalandhar, Punjab ↖ UtkarshSaxenaPortfolio

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Summary & Objective

Logical and organized individual with a strong foundation in software engineering. Proficient in **Go, MERN Stack, and Java.** Ability to translate business requirements into innovative software solutions. Excellent teamwork, interpersonal, and communication skills. Looking to start a career as an entry-level professional with a reputed IT company.

Work Experience

Software Engineer Intern, *RabbitLoader* ⊘ 2022 Aug – present
Kolkata(Remote), India

- Developed Microservices for RabbitLoader using Golang as per market standards to provide 100-page speed., improving system efficiency using **RabbitMQ** for asynchronous communication.
- Built and managed various microservices, including a high-traffic Cloudflare service with an average of **60,000** user interactions daily.
- Conducted unit testing with **90% coverage** of code and worked on APIs for enhanced functionality.
- Created User-MS with **Firebase integration** for authentication with email and referral functionality.
- Used MongoDB and multiple caching techniques like **Redis, BigCache, and Memcache** for better performance.

Full Stack Developer Intern, *Wizwack* ⊘ 2022 May – 2022 Aug
Delhi(Remote), India

- Worked on different services based on Firebase(Pub/Sub) for game backend using cloud services(GCP) dealing with hundreds of users at a time.
- Managed Services like **Payment Service, Multiplayer Service, and User Service.**
- Done Automated bulk testing of APIs using Postman of about 1000 API's.

Projects

HTML Optimizer, *Golang, go-doc* 2023 Mar – present

- It is an independent module written in Go to optimize a given HTML Document.
- It works on criticalCss, Css-Optimizer, Js-Optimizer, and image-Optimizer submodules.
- Optimizes the preload, ads, and slider, and replaces the host if needed.

Typing-Multiplayer-Game, *Mern Stack(Socket-io)* ⊘ 2023 Jul – 2023 Jul

- Real-time gaming experience for interactive and engaging gameplay.
- Single-player and multiplayer game modes for typing tests.
- Three difficulty levels: Hard, Medium, and Easy.

Electric Bill Optimizer, *Mern Stack* 🔗   2022 Sep – 2022 Sep
- Energy Consumption Recording to optimize and alert users per hour if needed.
- Daily Energy Usage Report by use of **Twilio** integration to show appliance usage.

Education

Bachelor's In Technology, *I.K. Gujral Punjab Technical University*   2020 Oct – present
Current Average Sgpa: 8.78 and Graduating in 2024   Jalandhar, India

Skills

Golang
Microservice Architecture, Channels, Go-routine, Interfaces, Gorilla Mux, Unit Testing

Java
Data-Structures and Object Oriented

C++
Data Structures and Algorithms

Computer Networking
OSI, TCP/IP, DHCP, Sockets, HTTP/HTTPS, and DNS

NoSQL
MongoDB , Go-MongoDriver, Mongoose, FireStore

Linux/Unix
Operating Systems

RabbitMQ
Asynchronous Communication

Css
Tailwind Css

Computer Science Core
Software Engineering

Python
Oops

Relational Databases
MySQL and PostgreSQL

Node.Js
Server-side Scripting, Express, Rest API, Socket, XML, JSON

Firebase
Auth,Payment,Pub-Sub

ReactJs
HTML5, CSS, Tailwind CSS, Bootstrap and MUI

Git
Github,Gitlab, BitBucket

Docker
Containers, Images

Problem Solving
Logical reasoning, Competitive programming

Awards

Gate 2023 Qualified, *IITKGP*

Department Coding Contest Winner, *I.K. Gujral Punjab Technical University Cse Department*

CodeChef Contest Rank-6, *CodeChef*

Certificates

- M001 (MongoDB University) 🔗   - AMCAT Software Development Trainee 🔗