ANURAG CHAUBEY

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OBJECTIVE

Self-motivated Software Development Engineer with extensive experience in creating scalable solutions using Golang, Python, and Node.js. Proficient in AWS services, browser emulation, and web scraping techniques. Skilled in applying low-level design principles, incorporating tracing mechanisms, and integrating metrics to enhance observability. With a proven track record in designing, developing, and documenting high-performance software systems for enterprise-level applications. Dedicated to ensuring improved code quality, reliability, and maintainability through the design and implementation of integration and unit tests.

EXPERIENCE

Software Development Engineer   Oct 2023 - Present
Bureau.id   *Bangalore, IN*

- Implemented Redis Streams and Cache to overhaul social signal processing, **reducing DB queries from 18 to 1**, **a remarkable decrease of 94.4 percent**. Previously, each signal scheduler operated independently, leading to excessive DB writes and large index sizes. With the new solution, requests are queued in **Redis Streams**, processed by dedicated consumers, and updated in Redis, ensuring efficient processing and **preventing record state loss on container crashes**. This streamlined approach not only minimises database load but also enhances reliability and scalability.

- Developed a custom service on **Google Cloud Platform (GCP)** and **Kubernetes**, utilising Node.js and Puppeteer for **browser emulation**. This initiative led to significant cost savings by bringing third-party signals in-house. Through careful inspection of website elements and resource optimisation, including intercepting unnecessary files, proxy costs were reduced by an impressive **45 percent**. Also, implemented a sophisticated **sliding window algorithm with time decay** to dynamically adjust session creation, optimising resource allocation and ensuring seamless scalability in response to varying request volumes. This innovative solution not only improves cost-effectiveness but also ensures robust signal availability across platforms like Amazon, Flipkart, and Instagram.

- Successfully integrated **six diverse third-party APIs into the system using adapter design pattern** . Overcame interface disparities to streamline integration, enhancing system efficiency. Adapter design pattern ensured seamless compatibility and communication with external APIs, enabling rapid deployment of new features.

- **Implemented Cost-Cutting Initiatives:** Reduced reliance on third-party suppliers by developing in-house services, including web scraping for data verification and enrichment. Successfully scraped multiple websites (e.g., **Pan to GST, DL Verification, Amazon, Myntra, Flipkart, and Apple**) to verify user presence via phone numbers and fetch driving license and GST details, leading to significant cost savings.

Software Development Engineer   Feb 2022 - Sept 2023
ZopSmart Technology   Bangalore*, IN*

- Proficient in utilising advanced methods like G**oroutines and channels** to improve application performance by 70 percent and accelerate **ETL (Extraction, Transformation, and Loading)** processes, while also skilled in **Agile methodology** and successfully driving migrations of legacy backend technologies to modern, faster architectures through cross-functional collaboration

- Utilises **Test Driven Development (TDD)** practices to design and develop various integration and unit tests, resulting in improved code quality, reliability, and maintainability

- Demonstrated **Time Management** and **leadership** skills in managing projects and communicating with cross-functional teams for successful migrations and micro-services development.

- Proficient in deploying applications on **Microsoft Azure**, utilising **Azure Cosmos** and virtual machines, and implementing GitHub workflows to **optimise CI/CD pipelines**. This approach ensures the seamless and dependable delivery of software, enhancing efficiency and reliability.

- Implemented **RESTful micro services with API v4 compliance**, incorporating concepts such as includes and sparse field sets for improved data retrieval efficiency. Successfully optimised API performance through efficient database queries.

PROJECTS

HEY! | XML, Java, Glide, Firebase ([!Check Here](#)**):**

- Developed a dynamic and engaging **real-time chatting application** for Android users, featuring advanced functionality such as media sharing, group chat, and message reactions similar to Instagram. Implemented user authentication for secure verification, resulting in a user-friendly and secure experience.

Pizza Planet | HTML, CSS, React Js, Node js, Express js, Mongo db | ([!Check Here](#)**):**

- Created a user-friendly and dynamic web application that allows customers to place and track pizza orders in real-time. Utilized **Node Js** and **Express Js** to provide robust server-side capabilities and Mongo Db for scalable and reliable data management. Integrated various features such as payment and coupon management, and order status tracking to improve customer satisfaction and enhance the overall user experience

SKILLS

Programming Languages :	Golang, Python, NodeJs, JavaScript, Java
Technologies / Framework :	FastApi, Flask, Gin, GoKit, Gorilla Mux, GORM, Spring Boot, Express JS, Redis, Kafka
DataBases :	MySql, MongoDb, PostgreSQL, Firebase
Version Control :	Git and Github with Action and CI/CD Workflow
Knowledge :	Low Level Design, Data structures and Algorithms , OOPs, Kubernetes, Docker, Linux/Unix, Micro-services, Web Scraping, request Interception by MITM and REST API.
Monitoring :	Grafana, Prometheus, New Relic
Cloud Technologies and Services:	**AWS** (*EC2, ECS, ECR, S3, Lambda, CloudWatch*) , **Google Cloud Platform** (*GKE, GAR, BigQuery*).
Soft Skills :	Leadership, Time Management, Teamwork, Adaptable, Proficient Communicator.

Achievements and Certifications

- Earned the second position in my company's Code Purge competition by efficiently eliminating unnecessary code and optimising existing ones.

- Solved More than 350 Problems on LeetCode and Geeks for geeks. [[Leetcode](#)]

- 3 Star At codeChef with Highest rating of 1673. [[CodeChef](#)]

EDUCATION

Bachelor's In Technology, Amity University.   *Noida, Uttar Pradesh*
                                                                                                                                        2018-2022

Major: Information Technology.
- **NGO Internship:** Gained valuable experience as a Summer Intern at AROH Foundation.

Class XII, Happy Model School   *Varanasi, Uttar Pradesh*
                                                                                                                                        2016-2017

LINKS

Github : https://github.com/AnuragChaubey2

LinkedIn : https://www.linkedin.com/in/anurag-chaubey-289258151/

Leetcode : https://leetcode.com/u/anurag_120799/

Youtube : https://www.youtube.com/@CodeAlleywithAnurag

CodeChef : https://www.codechef.com/users/anurag_120799