Shikhar Yadav

Software Developer

As a self-taught and motivated Backend Developer, I am passionate about maximizing team productivity using my creativity and analytic skills. I thrive on collaborating with other creative minds and enjoy working in a team environment. My strong communication skills allow me to seek assistance from colleagues when needed, ensuring that deadlines are always met. I have experience working on several exciting projects, including an open-source social media project, a web-based e-commerce store, and a blockchain-based e-voting app. I have technical expertise in Golang, Python, C++, NodeJs, Java, Dart, and databases such as MongoDB and Redis. Additionally, I have completed key courses in Computer Networking, Computer Organisation and Architecture, and Software Engineering

Social

- github.com/ShikharY10
- linkedin.com/in/shikharcode
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Education

2020-ongoing
Bachelor of Computer Application
RAMLU, Ayodhya

2019
Senior Secondary
Grammer Academy, Ayodhya

Expertise

- Backend Development
- Mobile Development
- System Design
- Real Time Data Flow
- User Flows
- Process Flows

Language

English

Hindi

Skills

Languages	Frameworks	Fronted	Miscellaneous
- Golang	- Gin	- HTML	- MongoDB
- Python	- Fiber	- CSS	- Redis
- NodeJS	- Express	- Javascript	- Postgres
- Dart	- FastAPI	- Flutter	- git
- C++	- HAproxy	- Crome Dev	- Docker

Projects

August 2022 - Ongoing

A Open Source Social Media Plateform

The open-source social media platform is a secure and scalable solution for users prioritizing privacy and performance. The microservices-based architecture, built using Flutter for the frontend and Golang for the backend, ensures a fast and reliable user experience. The platform utilizes end-to-end encryption for maximum security, while MongoDB serves as the primary database and Redis as both a cache and in-memory database. With its focus on security and privacy, this social media platform aims to revolutionize the way people connect and share online.

Jul 2022 - Aug 2022

E-commerse Tshirt Store

The e-commerce platform for a t-shirt shop is built using Node.js and the Express framework, with a focus on user authentication and authorization for data privacy and security. The platform features secure access to protected routes using JSON Web Tokens (JWT), an admin route, and the ability for users to purchase items securely. With the admin having the ability to add and remove users as needed, this platform provides an efficient and secure way to manage e-commerce transactions

March 2023 - Ongoing

A browser like http client library for flutter

This project is a browser-like HTTP client developed using Dart for Flutter apps. It simplifies the authentication process by automatically attaching authorization schemes/tokens and saving and attaching cookies to and from requests and responses. It provides a convenient and efficient solution for managing HTTP requests with the ability to initialize the HTTP client once and use it anywhere within a Flutter app. Its focus on simplicity and ease of use make it a reliable solution for integrating HTTP requests into Flutter apps.

Oct 2022 - Oct 2022

BlockChain Based eVoting

This blockchain-based e-voting system, built using Python and the FastAPI web framework, provides secure and transparent public APIs for casting votes. The platform utilizes blockchain technology to ensure the integrity and security of the voting process and guarantees a tamper-proof and decentralized method of voting. Its focus on security and transparency provides an efficient and accessible alternative to traditional voting systems, promoting trust in the electoral process.

August 2022 - Ongoing

UI For Open Source Social Media Plateform

The open-source social media platform is a secure and scalable solution for users prioritizing privacy and performance. The microservices-based architecture, built using Flutter for the frontend and Golang for the backend, ensures a fast and reliable user experience. The UI is written is flutter and is only available for mobile platforms. I have user registration, login, profile pages. I also has profile update page, chatting page, posts feeds page. It is a offline first app and that is why it uses hiveDB for storing information. We save user chat media in phones directory and anything else is stored in local database.

Jan 2023 - Mar 2023

A Todo App Designed For Developers

Developed a programmer-focused todo app called "Magator" that allows users to register projects as sections and track their progress through subsections and services. Users can set start dates, deadlines, and priorities for each sub-section and task, as well as add keynotes to sub-sections for easy reference. This app streamlines project management for programmers, improving their workflow and productivity.

Apr 2023 - Apr 2023

A Message Broker For Inter Widgets Communication

Broker is a package for Flutter apps that functions as a message broker, allowing you to send messages from anywhere in your app to any widget. With Broker, you only need to initialize the Broker class once, and you can use it anywhere in your app to send messages to widgets both above and below. Additionally, if you have multiple subscribers, Broker supports message broadcasting, making it easy to ensure that all relevant widgets receive the same message

Sep 2022 - Oct 2022

A Rest API testing Desktop utility

Created a desktop REST API testing tool that enables users to test API endpoints with protobuf response bodies. This tool includes an entry point schema to unmarshal the serialized protobuf schema from the server, allowing for seamless testing and analysis. With this tool, developers can streamline their API testing process..

Nov 2022 - Nov 2022

Git-Github Integration Automation

Developed a Java-based tool that automates the process of creating both local and remote GitHub repositories, including a pre-populated readme.md file and initial commit. The tool resides in the 'bin' directory and can be executed using the Java command. The tool includes a comprehensive set of features accessible through the '--help' command, streamlining the repository creation process for developers. With this tool, users can quickly set up new repositories and begin working on their projects without delay

Apr 2021 - Oct 2021

E2E encrypted client and server chat application

A python package for creating multi-client server with high level of abstraction, meaning user don't need to write 100s of lines of code. User can write a multi-client server with just 12 lines for code, it's that simple. In addition, PySock also make the connections end-to-end encrypted. It also provide the functionality of creating a end-to-end encrypted connection between two or more client, meaning client can share the data with others client available.