

# Gulab Singh Sikarwar

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## EXPERIENCE

### BRUCODE TECHNOLOGIES PVT. LTD | SOFTWARE ENGINEER

July 2024 – current | Mohali , Punjab, india

- Architected a task management and issue tracking system with over 10+ features using a microservices architecture for scalability and modularity. .
- Engineered a high-performance backend with Node.js , MongoDB for data storage, and Kafka for asynchronous messaging, enhancing throughput by 20 % .
- Containerized microservices with Docker and optimized request handling using Nginx, improving availability and fault tolerance .
- Built the application from scratch, focusing on service-oriented architecture, high availability, and resilience to prevent bottlenecks.

### UTRADE SOLUTIONS | SOFTWARE ENGINEER INTERN

July 2023 – July 2024 | Mohali , Punjab, india

- Created a custom message line consumption tracker using Echarts and Angular, reducing data processing time by 30
- Engineered the backend infrastructure using Go and PostgreSQL .
- Implemented and integrated Two-Factor Authentication (2FA) and Time-based One-Time Password (TOTP) systems with Angular, including PAN verification and TOTP validation, strengthening security.
- Built the Pre-Apply IPO functionality in Angular, allowing users to initiate IPO applications prior to the official opening.

### OUTSHADE DIGITAL MEDIA | FULL STACK DEVELOPER INTERN

April 2022 – May 2022 | remote

- Developed multiple UI designs in React for a Power Grid project, increasing responsiveness by 30% .
- Implemented Node.js API endpoints with PostgreSQL, reducing data retrieval times by 25%.

## PROJECTS

### DNS MANAGER DASHBOARD

- Designed a DNS Manager web application using the MERN stack, simplifying bulk management of domains and DNS records on AWS Route 53, enhancing operational efficiency.
- Integrated CSV and JSON bulk upload functionalities, streamlining the import process for domain and record data, thus increasing data handling efficiency.
- Established backend API endpoints for CRUD operations on DNS records, ensuring seamless connectivity between the UI and AWS Route 53 , and improving API response times. .

### DRONE STIMULATOR

- Developed a drone simulator application using React JS and Google API with the feature to pause and resume the simulation. .
- Implemented functionality to take multiple sets of latitude and longitude in time series format as input from the user.
- Plotted drone motion on the map, updating position and path progress in real-time, with a 95% accuracy rate in simulation results.

## EDUCATION

### LPU

B.TECH IN COMPUTER SCIENCE AND ENGINEERING

July 2020 - July 2024| Phagwara , Punjab , India

## SKILLS

### PROGRAMMING

Web Dev

- MEAN / MERN Stack (MongoDB, Express.js, Angular , React, Node.js)
- Node •Typescript
- JavaScript • Problem Solving
- PostgreSQL •Java
- HTML •CSS
- Cloud & DevOps
- Git •Github •Docker •NGINX
- Jira

## ACHIEVEMENTS

## PARTICIPATION

### Hacktoberfest contribution (2023)

- Contributed to open-source projects as an active contributor, with 4 merged pull requests in the FreeCodeCamp repository.

### Google solution challenge (2020)

- Submitted a project on women's empowerment and safety, addressing key challenges with innovative solutions, used by 50+ users
- Competed in 5+ hackathons, placing in the top 10 in two events.

## LINKS

Github://

[github.com/gulabsinghsikarwar](https://github.com/gulabsinghsikarwar)

LinkedIn://

<https://www.linkedin.com/in/gulab-singh-26b670196/>