

Gaurav Tanwar

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Adept, solution-focused professional excelling in diverse settings.

Experience

Glarus Technologies, Software Engineering Team Lead | New Delhi, Delhi

Aug 2022 - Present

- Designed and implemented a resilient backend infrastructure for a cutting-edge no-code website builder, ensuring seamless deployment and optimal performance.
- Successfully integrated **Redis** into backend architecture, driving a substantial **75% reduction in response times** for frequently used paths, enhancing overall user experience
- Engineered a highly customizable chat element that seamlessly integrates into websites, driving a 30% boost in user engagement and a 20% increase in customer satisfaction.
- Implemented **Channels and Goroutines** for concurrency in the chat system which resulted in **40% increase** of the server's **capacity** to accommodate more users efficiently.
- Collaborated with other Developers, Product Managers, and other stakeholders to create solutions that improve their experience and streamline their operations.
- Engaged in the review of code and collaborated in debugging sessions to uphold code quality standards.

Wipro Ltd, Project Engineer Bengaluru, Karnataka

Aug 2021 - Aug 2022

- Engineered and crafted a range of ERP systems customized for **Phillips**, demonstrating adeptness in implementing solutions.
- Acquired knowledge of industry trends and developed solutions and strategy through effective research.
- Optimized SQL queries for critical modules of ERP system, resulting in a 40% decrease in data retrieval time, enhancing overall system performance and productivity.

Voltage OS, Device Maintainer | Open Source Community

May 2020 - Jun 2021

- Co-developed and actively maintained Voltage OS for the Realme X2 Pro Android device, demonstrating collaborative skills in **Android system** customization and optimization.
- Added Support for building **Qualcomm's** Qti Bluetooth in Voltage OS build system.
- Upstreamed Device Kernel with latest **security patches and bug fixes** by linux.

Freelance, Software Developer | Remote

- Integrated the Quectel Radio Interface Layer (RIL) component into a client's custom fork of the **Android Open Source Project (AOSP)** for **Raspberry Pi**.
- Developed a comprehensive application guiding League of Legends Wild Rift players through strategies, tips, and gameplay insights

Skills

Programming	Golang, Dart, SQL, Git, Scripting (Bash), Javascript, HTML, Docker Compose, gRPC, REST
Frameworks	Go Fiber, Gin, Flutter, Riverpod, Bloc, Provider
Software	Linux, Docker, Redis, Kafka, Postgres, Mssql
Certifications	Python And Machine Learning By Ducat Cybersecurity Tools and Cyber Attacks Cybersecurity Roles, Processes and Operating System Security Cybersecurity Compliance Framework and System Administration Network Security and Database Vulnerabilities ABAP with SAP NetWeaver 7.50 Jenkins L1

Education

B.Tech in Software Engineering B. M. Institute of Engineering and Technology | GGSIPU

2017-21

Courses: Cybersecurity By IBM | Golang Backend Masterclass | Machine Learning | Docker Mastery | Flutter and Dart

Projects

No Code Website Builder

Dec 2022 - April 2023

Glarus Technologies

- Designed and implemented a scalable and efficient backend architecture to support thousands of concurrent users.
- Created **RESTful** APIs using **Go Fiber** for various functionalities, including user authentication, website creation, template management, and content storage.
- Worked closely with frontend developers, UI/UX designers, and product managers to ensure seamless integration and user experience.

Support Chat Plugin

Jan 2023 - May 2023

Glarus Technologies

- Designed and developed a lightweight embeddable chat element that can be easily integrated into any website.
- Implemented **Redis Pub/Sub** to facilitate real-time messaging between users and agents, ensuring low-latency communication.
- Integrated **Kafka** to handle database writes asynchronously, reducing the load on the **PostgreSQL** database and improving system scalability.

Voltage OS

Jan 2023 - April 2023

Open-Source

- Developed and Adapted the device trees to newer Android build systems and versions which included fixing and updating **makefiles**, **blueprint** files, fixing compilation errors, updating configurations, updating the **driver** blobs, fixing **kernel** bugs.
- Merged security patches, fixed bugs, and collaborated with the community, device maintainers, and contributors to enhance stability, performance, and compatibility.