

- GAURAV BHARADWAJ -

Experienced GoLang Backend Developer | 7 Years in Crafting High-Performance Solutions for Scalable Applications

Haywards Heath, UK • (+44) 7823813425 • gauravbharadwaj.bharadwaj@gmail.com • [Linkedin URL](#) • [Portfolio](#)

- Software development engineer with **7 years** of practical experience in the complete software development life cycle, including design, development, testing, and implementation.
- Developing and experimenting with **Retrieval-Augmented Generation** (RAG) applications leveraging Generative AI for enhanced information retrieval and contextual responses
- Proficient in developing **RESTful** web services and microservices in Golang, with a strong focus on **Test-Driven Development** (TDD) and **Behavior-Driven Development** (BDD).
- Skilled in using data serialization tools, such as **Protobuf**.
- Experienced in designing, implementing, and deploying **cloud-based applications** using cloud platforms and Docker.
- Adept at working within **Agile** and **Scrum** methodologies, facilitating seamless collaboration across cross-functional teams.
- Extensive experience using **Jira** for task management, sprint planning, and tracking development progress.
- Expertise in **system integration testing** to ensure all components work together as intended in production.
- Conducted thorough **regression testing** to maintain system stability and ensure new updates don't impact existing functionalities.

PROFESSIONAL EXPERIENCE

American Express, UK • Software Engineer

06/2024 - Present

- Developed and maintained a GoLang application, optimizing complex SQL queries to reduce latency and boost query throughput for APIs.
- Contributed to developing REST API services, creating scalable APIs to enhance user experience across various products.

Remote state, Noida, India • Senior Backend Developer

12/2020 - 03/2024

- Developed and maintained a **GoLang application** optimizing the execution of **complex SQL queries**, effectively reducing latency issues and boosting query throughput for APIs.
- Engineered a real-time chat application utilizing **web sockets**, featuring robust media handling, and integrated third-party APIs for audio and video chat capabilities.
- Deployed the Golang application on a **Kubernetes** cluster from scratch, ensuring seamless operation across multiple environments, including staging, production, and development.
- Established comprehensive **CI/CD pipelines** to automate the deployment process, providing a hassle-free experience for deploying Golang backend applications.
- Contributed to developing **GRPC** and **Rest API** services, creating scalable APIs to enhance user experience across various products.
- Wrote **unit and integration tests** for a Golang application, improving the overall code quality and reducing the number of bugs significantly.
- Developed applications using both **SQL and NoSQL** databases.

Hot Cocoa Softwares, New Delhi • Backend Developer

10/2018 - 11/2020

- Developed a scalable backend using Restful API services and crafted corresponding Docker files to facilitate deployment in containerized environments.
- Implemented unit tests for the Golang application to enhance code quality and minimize bugs during code deployment to remote repositories.

SKILLS

- **Languages:** GoLang(frameworks used: Gin, Echo), SQL, Python
- **Databases:** PostgreSQL, MySQL, MongoDB, Redis, Elasticsearch
- **DevOps Skills:** Docker, Kubernetes, CI/CD Pipelines, GitHub Actions, CircleCI, AWS, Google Cloud
- **Other:** Lambda, Serverless, Microservices, REST APIs, GRPC, GraphQL, Websockets, GIT, Kafka, GitHub, GitLab, Bitbucket, continuous integration, Gen AI, RAG applications

Projects Handled

American Express, (Software Engineer)

- ▶ **Skills Used:** GoLang, **Microservices**, SQL, Splunk
- ▶ **Description:** Worked with Global Loyalty and partner team, which works on the partner benefits provided by Amex to their partners, such as Hilton, British Airways, etc.

Data Clean Room Platform, (Senior Backend Developer)

- ▶ **Skills Used:** Go, Python, Microservices, SQL, AWS(S3, Athena, DynamoDB, Lambda, Step Functions), Docker, Gen AI, RAG
- ▶ **Description:** Built a secure Data Clean Room platform with AWS-based pipelines, DynamoDB storage, and Dockerized deployments, integrating with DV360 and Meta Ads for privacy-safe audience activation. Developed an internal RAG bot using Ollama and vector DB for product context queries

Orby AI, (Senior Backend Developer)

- ▶ **Skills Used:** GoLang, Postgres, MongoDB, GCP, GRPC
- ▶ **Description:** Revamped document handling for busy organizations dealing with a high volume of documents, by using Document AI to automate repetitive tasks like contract processing and invoice validation, ultimately boosting productivity and minimizing manual effort in managing various document-related tasks.

Silk And Sonder, (Senior Backend Developer)

- ▶ **Skills Used:** NodeJS, MongoDB, DataDog, Shopify
- ▶ **Description:** Developed Silk & Sonder, a transformative mental wellness platform, using innovative technologies for an accessible and user-friendly experience. utilized cutting-edge technologies to revolutionize engagement with mental wellness practices.

LoHi (5F) And HAULi By Vorto, (Senior Backend Developer)

- ▶ **Skills Used:** GoLang, Postgres, EFK, Kubernetes, Docker, Firebase Auth, GitHub Actions, Redis, GRPC
- ▶ **Description:** Managed operations for a leading trucking vendor in the USA's oil and gas sector, optimizing load assignments and driver earnings through an advanced app, improving profitability and efficiency. At HAULi, led the development of a web app for a reverse auction model, launching a sand distribution app that streamlined order processes, vendor assignments, and billing, enhancing cost-effectiveness in the energy industry.

EDUCATION

Degree • B.Tech (CSE), Jaypee institute of information technology, Noida
Graduation Year (2014 - 2018)

I certify that the information provided in this resume is true and accurate to the best of my knowledge.