

The SchemaWind

An open-source project for developers to use working schema of various fields of technological domains as well as for contributing to resolving the rising demands of models, database structures, and schema in the back-end applications.



By Praabindh's Org

SchemaWind defines how data is organized within a relational database and includes logical constraints such as table names, fields, data types, and the relationships between these entities.

License

License [GPL v3](#)

Important Project Links

Project Live Demo Link

<https://praabindh.github.io/SchemaWind/>

Project GitHub Link

<https://github.com/praabindh/SchemaWind>

Project Documentation Link

<https://github.com/praabindh/SchemaWind/blob/main/README.md>

Features

- Full Schema Toggle Control
- Continuous Integration And Deployment
- Dynamic Representation
- Interactive Environment
- Free To Use And Contribute
- Developmental Workflow
- Let For Personal And Commercial Usage
- Live Previews
- Fullscreen Mode
- Cross Platform

- Zero Maintenance Downtime
- Direct File Download
- Open-Source Platform

Web Snapshots

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[GitHub Profile](#) [Schema File](#)

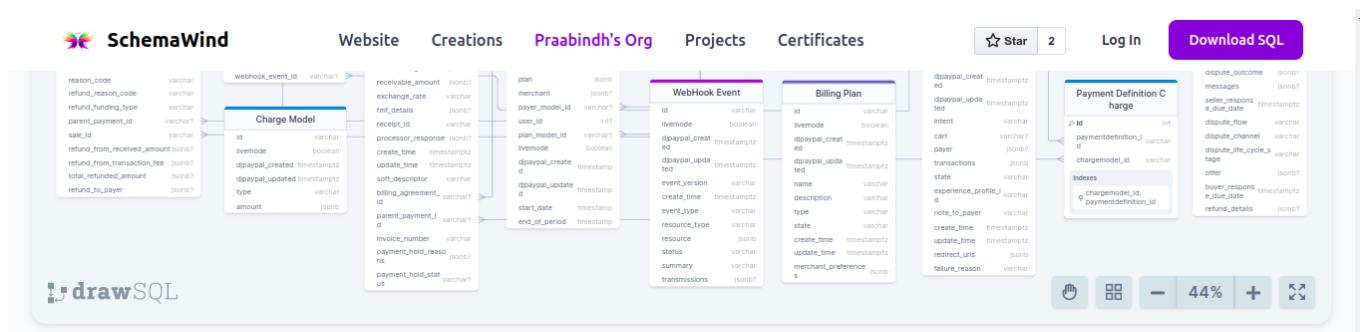
App icons: Netflix, Twitter, Instagram, Spotify, Discord, WhatsApp

Paypal's Schematic Portrayal By Praabindh's Org

Tables shown in the ER diagram:

- Refund
- WebHook Event Trigger
- Sales
- Billing Agreement
- Prepared Billing Agreement
- Payer
- Billing Plan Payment Definitions
- Payment Definition
- Dispute
- Charge Model
- WebHook Event
- Billing Plan
- Payment Definition Charge

[drawSQL](#)



Encompass Dynamic Schemas

The Schema is a critical component for development of any application

Database schema design helps organize data into separate entities, making it easier to share a single schema within another database.

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"SchemaWind is just incredible. It contains many predesigned schemas and table models of more remarkable technological giants. SchemaWind would be the perfect reference for your next backend application."

Praabindh Pradeep | CEO | Praabindh's Org

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SchemaWind | Netflix Schema



Netflix's Schema By Praabindh.

In 2020 Netflix deployed their first CockroachDB cluster in production. Today they have 100 production clusters and 150+ test clusters in use.

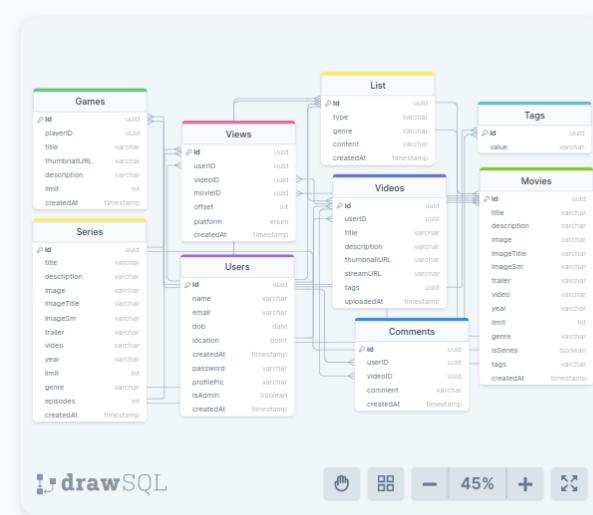
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Netflix Schema Using DrawSQL

Netflix database schema portrays the “blueprint” of a database which describes how the data may relate to other tables or other data models.

- Continuous Integration And Deployment
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Netflix adopted JanusGraph + cassandra + elasticsearch as their graph database infrastructure. The use of the graph database is in their digital asset management.





Twitter's Schema By Praabindh.

Gizzard is Twitter's distributed data storage framework built on top of MySQL (InnoDB). InnoDB was chosen because it doesn't corrupt data. Gizzard us just a datastore.

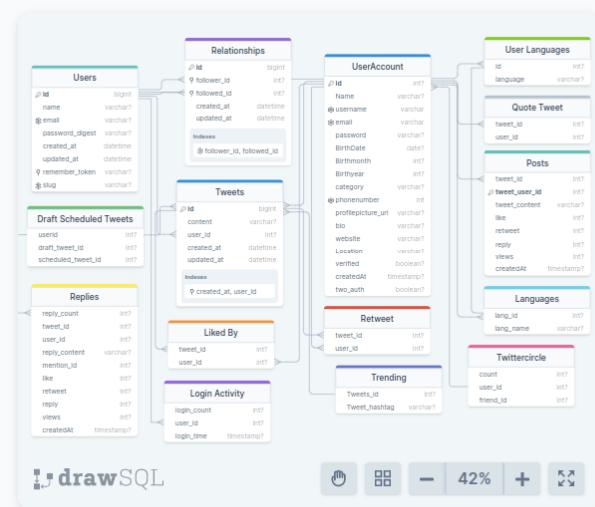
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Twitter Schema Using DrawSQL

Twitter database schema portrays the “blueprint” of a database which describes how the data may relate to other tables or other data models.

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Twitter now has 300M worldwide active users. Every second on an average, around 6,000 tweets are tweeted on Twitter. Also, every second 6,00,000 Queries made to get the timelines.



SchemaWind | Instagram Schema

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Instagarm's Schema By Praabindh.

PostgreSQL is the primary database of the application, it stores most of the data of the platform such as user data, photos, tags, meta-tags, etc.

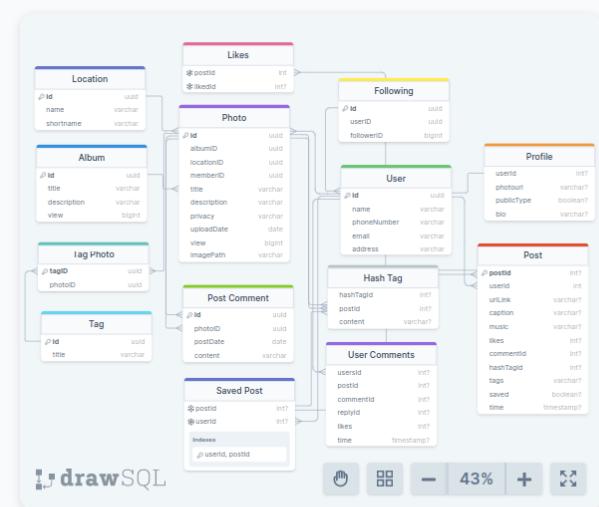
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Instagram Schema Using DrawSQL

Instagram database schema portrays the “blueprint” of a database which describes how the data may relate to other tables or other data models.

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Instagram mainly uses two backend database systems: PostgreSQL and Cassandra. Both PostgreSQL and Cassandra have mature replication frameworks that work well as a globally consistent data store. Global data neatly maps to data stored in these servers.





Spotify's Schema By Praabindh.

Spotify's storage unit is Cassandra database, consists of over 100 Cassandra clusters, each containing a nested storage system within itself.

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[Schema File](#)


Spotify Schema Using DrawSQL

Spotify database schema portrays the “blueprint” of a database which describes how the data may relate to other tables or other data models.

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Historically, Spotify has been a heavy user of PostgreSQL. Since the very first versions of the Spotify backend it has been our go-to relational database and the default choice for persistent storage – when it works.





Discord's Schema By Praabindh.

Cassandra was the only database that fulfilled all of Discord's requirements, as they can add nodes to scale it and it can tolerate a loss of nodes without any impact on the application.

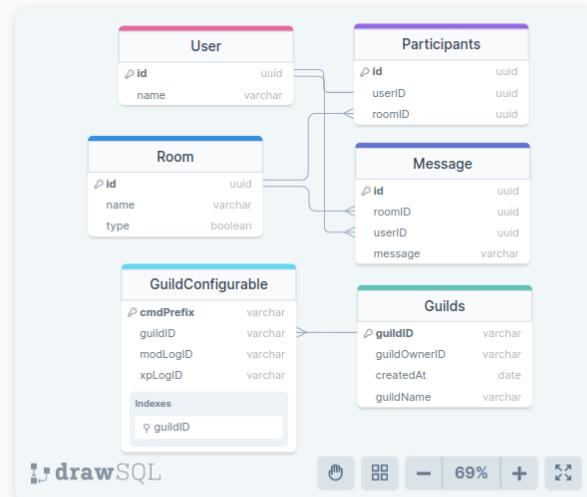
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Discord deals with 4 billion messages sent through the platform per day by its millions of users. The company runs a set of NoSQL database clusters (powered by ScyllaDB) but its real-time nature means that the databases need to respond to queries as quickly as possible.





WhatsApp's Schema By Praabindh.

WhatsApp uses an Erlang-based, distributed DBMS (Database Management System) called Mnesia. This DBMS provides benefits that many traditional databases don't such as: Real-time key/value lookup.

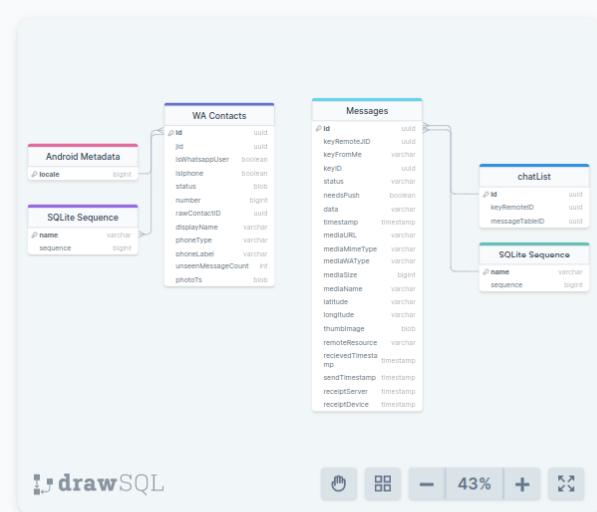
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Web socket handler from a sender gets in touch with the message service, and the messages will be stored in Cassandra. The message service then communicates with Kafka. Those messages are saved in Kafka with an instruction to send to the group.



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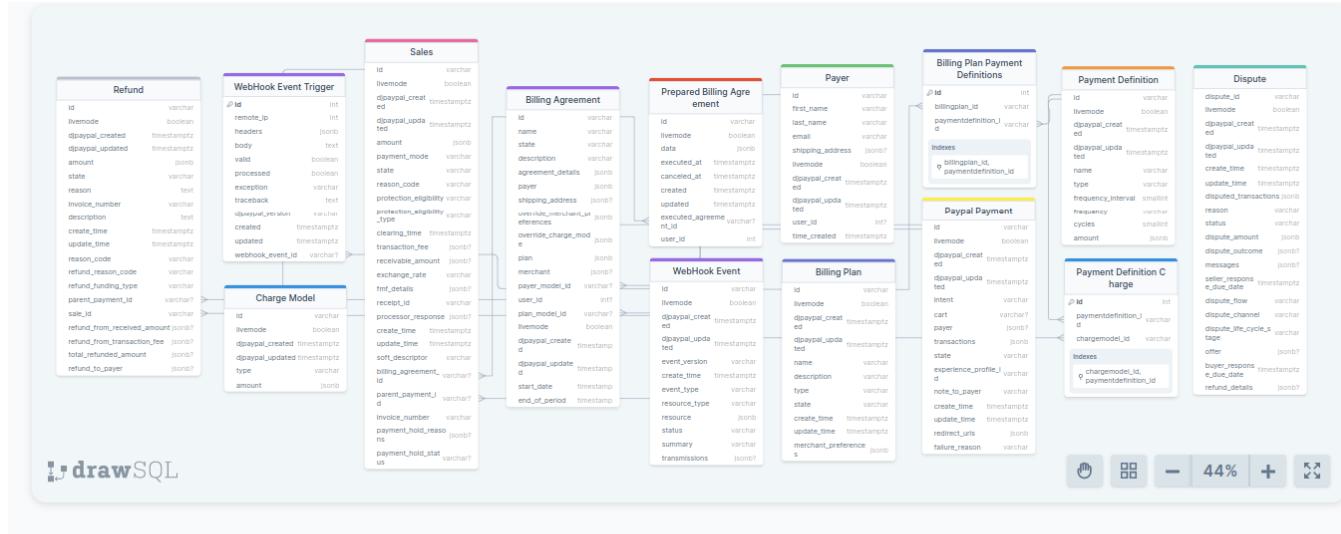
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Built During The Internship Phase Of Product Engineer In [Codingmart Technologies](#), Coimbatore, Tamil Nadu, India.

FAQ

Is This Project Open-Source?

Yes, this project is 100% open-source and can be used for personal as well as commercial usage.

Can I Contribute To This Project?

Yes, contributions can be added to the project by users who has a verified SchemaWind account.

How Can I Download The .SQL File I Want From The Project?

You should go to the respective schema page of SchemaWind, and at the top right corner, you can see a Download SQL button. When clicked the SQL file starts downloading.

How Can I Start Contributing?

You should signup with SchemaWind, and verify your identity, and once your account gets verified, you could start contributing to the project.

Will I Get The Credits For Contributing?

Of course, verified users would give full credit to the verified schema contributed to the project if any are not found with any plagiarism.