

# Shubham Singh

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Software Engineer with 4 years professional experience. Explore the open-source projects and libraries I maintain on GitHub.

## Founded

### Ved Analytics

 Website  Demo Video

#### A PRIVACY FOCUSED WEBSITE ANALYTICS PLATFORM

- Compliant with **GDPR**, **PECR** and other privacy laws. Does not tracks any IP or Cookies. Everything is just **Browser headers** !!
- Has 30+ reviews on **Product Hunt**.
- Made with **NextJs** and **ExpressJs**.

## Experience

### Dardoc , Software Engineer | Remote, UAE

Jan 2025 - Current

- Working on the generating **analytics** from the Database.

### Tezda Inc, Senior Backend Developer | Remote, UK

April 2024 - Feb 2025

- Worked on the **App Notifications Backend** which involved extensive use of queues, sockets, Firebase(FCM)
- Made the entire **RTC Stack** to enable users to perform Audio and Video calls. Made using **Livekit**, **Redis**, deployed on **Kubernetes**
- Written Lambda Functions and extensive Unit and Integration tests connected to AWS API Gateway

### Indotabi Tours, Full Stack Developer | Delhi, India

Sept 2022 - April 2024

- I built the website using **NextJS (TypeScript)** as the front end and with **ExpressJS** as the backend.
- I worked with roughly 3000+ lines of **PostgreSQL** scripts to successfully construct a good database schema.

### Zoomtod , Product Developer | Remote, US

Jan 2022 - Sept 2022

- Application is successfully in production with **500+ Users** and More that **100+ users** actively using the App for more than **8 hrs/day**.
- Built a cross platform application using **Flutter (Dart)**. Deployed on **Google Play Store**.
- Built an Admin Panel in **ReactJS** that tracks constant activities of all the rooms using **Web Sockets**.
- Set Up Server and API Monitoring using **Grafana**, **Prometheus** and used **Loki** for logs collection.

### Vitalth Pvt Ltd , Backend Developer | Delhi, India

Dec 2020 - Jan 2022

- I was responsible for using **Govt. of India's UHI** (Unified Health Interface) architecture to build a robust backend for the company.
- I successfully completed the M1 and M2 phases of the UHI on-boarding process. (There are 3 steps in total).

## Education

7.5/10 **BTech in Software Engineering**, Delhi Technological University | Delhi, India

## Skills

<b>Languages</b>	Rust, Python, C , JavaScript , TypeScript , Dart, Go
<b>Frameworks</b>	ReactJS , NextJS , ExpressJS , Actix Web ( Rust ), Flutter, Flask, Rocket ( Rust ), Gin (Go)
<b>Blockchain</b>	Solana, Anchor
<b>Tools</b>	Docker, Git, Prometheus , Grafana , Loki , Redis , Kafka, Jest, PostgreSQL, MySQL, MongoDB
<b>DevOps</b>	Nginx, AWS EC2, AWS ECS, AWS EKS, AWS ECR, AWS Lambda, AWS S3, AWS Elastic Cache, AWS Cloud watch, Dynamo DB

## Projects

### Flux Mail

 Github  Website  Crates.io

#### A fully self-deployable and open source Temp Mail SMTP Service written in Rust and NextJS

- Users can create and receive mails on through custom SMTP Service which are stored temporarily for 7 days.

### Vanish

 Github  Crates.io

#### Generates locally trusted X.509 SSL Certificates from scratch

- Follows the X.509 Standards as mentioned in **RFC 3280** ( April 2002 ) to match the PKI Standards.
- Published on Crates.io with **2500+ downloads**.

### Vault

 Github  Crates.io

#### VERSION CONTROL SYSTEM SIMILAR TO GIT, IMPLEMENTED IN RUST

- Supports majority of git commands (e.g., Commit, Init, Revert). Published as a binary on Crates.io with **1600+ downloads**.

### React Maps

 Github  NPMJS

#### REACT COMPONENTS FOR INTERACTIVE MAPS

- Provides ready-made components of **SVG maps** for countries and continents. Over **170,000+ package downloads**.

### MLVM

 Github  Crates.io

#### Multi language version manager. NVM alternative built in Rust

- Uses **file system symlinks** to securely transfer version. Over **1600+ package downloads**.

### Proximity

 Github

#### TERMINAL CHAT APPLICATION USING WEBSOCKET PROTOCOL IN C

- Uses **IPV4 address** and **WS Protocol** to transmit messages inside the terminal.

### Go-Json-Db

 Github

#### JSON DATABASE USING JSON FILES AND FOLDER STRUCTURE

- Similar approach to MongoDB (using JSON instead of BSON). Supports CRUD operations (GET, POST, UPDATE, DELETE).