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# KIRAN YADAV

## Computer Engineer

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## WORK EXPERIENCE

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### Senior Backend Engineer

DevDham formerly DevDarshan from JULY 2022

- Designed and Migrated database from GCP Firestore to Postgres SQL.
- Redesigned services into microservices previously written using GCP Cloud functions.
- Implemented Docker-based CI/CD using GitHub and GCP cloud-build with submodules to deploy as Cloud Run.
- Implemented GCP Load balancer routing and VPC.
- Also worked with GCP Cloud Tasks, Cloud Schedulers, and Secret Manager.
- Build a custom solution for selecting, assigning, label generation and tracking courier shipments using sprocket.
- Build a Message campaign system to send and track WhatsApp messages using Interakt.

### Tech Head

SlashRTC from OCT 2020

- Designed services to run on docker and migrated existing inter-services communication from Socket/Https/Grpc to Apache Kafka.
- Added Kafka support for proxy server written in Golang and modified esl-client library to work asynchronously without changing product code base.
- We created integrations with Salesforce, Zoho, Lead Squared, Fresh Desk, Zen Desk and more.
- Designed and implemented a ticketing (Complaint management ) system.
- Created a React UI for building dialogue flow (Chat and voice bots).
- Created React UI components module which helps create faster, consistent and reliable interfaces.
- Created Node API boilerplate which helps create database operational APIs faster.
- Used worker threads in node to generate large reports in CSV and xlsx format.
- Perform multiple domain routing with nginx and manage certificates with certBot and lets-encrypt.
- Modified osticket, an open-source ticketing system to get extensive reports and make it work to store data in Elastic search.

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## Software Developer

Freelancing from 2018

- I have worked on multiple projects that involve dynamic shopping websites, static sites and image processing tools.

## TECHNICAL SKILLS

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Javascript, NodeJs, React, React Native, Mongo, Redis, ElasticSearch, Sql, Apache Kafka, WebRTC, GRPC, Linux, Nginx, Docker, Kubernetes, Understanding cellular communication.

## PROJECTS

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### [React Native Fast Emoji Picker](#)

PROGRAMMING & UI

- Technology Used: React Native, reanimated and react native gesture handler
- Its react native package allows users to select from emoji lists.

### Sentiment Analysis for the Marathi language, BE

PROGRAMMING & UI

- Technology Used: Python, word2vec, machine learning models (bag of words, SVM, Naive Bayes, KNN, etc).
- It's an ML-based sentiment analysis tool that helps travel agencies understand and analyse the Marathi tourist review.

### WorkEasy, BE

PROGRAMMING & UI

- Technology Used : NodeJs, MongoDB, JavaScript, HTML, CSS.
- It's a Web App that helps to book services online. Better location-based services, Worker selection, Work tracking and many more.

### Notes le fiirr, BE

PROGRAMMING & UI

- Technology Used: Firebase, Android.
- Create notes and a to-do list and real-time notes sharing.

### ChatEng, BE

PROGRAMMING & DATABASE

- Technology Used: Firebase, JavaScript, HTML, CSS.
- Group chatting app with profile management.

### Smart Cushion, DIPLOMA

PROGRAMMING & UI

- Technology Used: Android, Arduino-Hardware.
- Using Arduino and ultrasonic sensors to measure sitting time and provide statistics and exercises for a better sitting experience.

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## [Painthill. in](#)

Painting and Furniture Services

- A website that allows booking services like Painting, Furniture etc.
- AI-based VR app to identify issues in the wall and understand the best paint that suits better and other use cases.

## [Eagle-group.co.in](#)

Land acquisition and Renewable energy

- Sai Developers business website for Land acquisition.

## EDUCATION

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**BE In Computer Engineering - 2019**

**Bharatiya Vidya Bhavan's Sardar Patel College of Engineering - Mumbai, MH**

CGPI:8.47

**Diploma In Computer Engineering - May 2016**

**Government Polytechnic Mumbai - Mumbai, MH**

Percentage: 92.26%

**HSC - February 2014**

**Patuck Technical High School - Mumbai, MH**

Percentage: 67.08%

**SSC - March 2012**

**Kalina Education Society Hans Bhugra High School - Mumbai, MH**

Percentage: 78.91%

## EXTRACURRICULAR ACTIVITIES

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Blog, Android Rom Development, Photoshop, Darktable, Modifying desktop environment like Window Managers (AwesomeWM Ubuntu).