

# Diwanshu Soni

Experienced backend engineer with a strong background in developing and maintaining scalable, reliable, and high-performance server-side applications. Skilled in a variety of programming languages, including Java, Python. Proven track record of delivering successful projects on time and within budget.

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## WORK EXPERIENCE

### **Zolve**, Bengaluru — *Backend Engineer (March 2021 - Current)*

- Joined as an early member of the founding tech team with a primary motive of creating required backend systems for the product within a very limited time to adhere to the launch date. Created multiple services very quickly and collaborated with web developers and external contractors to provide the apis needed along with different testing scenarios for the same, which allowed Zolve to launch the beta product within a few months. Heavily invested my time in writing quality code and making sure the systems are running as expected and kept them updated as per latest security standards. Implemented a basic trace id mechanism to tie up all the logs for a given request which helped in setting up email based alerting to allow fixing issues before being reported to the support team. The efforts of mine have been acknowledged and celebrated on numerous occasions in the company.
- Majorly worked on the following systems:
  - ETL platform, a service to ingest data from sources like kafka, sqs, webhooks and perform either load or transform as required by business. With the help messaging queues made sure the system stays resilient and scales as much as we need.
  - Wallet Service, a platform to manage the different currencies of a user and allow the launching of our own points system.
  - Client Api Orchestration service which
    - handles all client (web, android, ios) requests,
    - authentication,
    - rate limiting
    - aggregation of data from various downstream services.
  - Referral service to link users referrals and rewards as per various marketing campaigns
  - Billing service to handle the user bill payments and auto-pay on the product.
  - Portal Service to allow the external entities to work with Zolve's system to validate transactions.
  - Short Url creation Service to create custom urls that can be redirected to any url.
  - Various internal tools to help developer productivity

### **Belong**, Bengaluru — *Backend Engineer (August 2019 - March 2021)*

- Joined as a fresher backend engineer with basic python knowledge. Starting project was a customer support ticket management software, along with 3 interns and supervision of the CTO we created the system for storing, assigning, assessing the support issues in the product. This system increased the overall productivity of the team and all the data was now on this system instead of some sheet. Started writing the test cases for core product and soon got to work on new features in the b2c product to implement social auth logins and jwt token based api authorization. Migrated the systems to the latest supported python3. Later developed a module to allow users to comment on any object in the product. Ran migration scripts, developed the engagement system to simplify the template creation by the users, these templates could render into dynamic content that can be sent over email. Created a serverless system using aws lambda backed by dynamodb to support a new core offering to our clients that added real value to their everyday work.
- Majorly worked on the following systems:
  - Serverless backend app to enable candidate profile parsing and storing in system
  - Engagement templating systems to simplify defining the content as a template
  - Global comment module
  - Code migration from python 2 to 3
  - Implemented social auth, jwt based authorization, test cases to increase coverage

## PROJECTS

- **YouTube Video Downloader:** Created a platform using Django, Elasticsearch, Postgresql to automatically fetch the youtube videos via youtube api keys using some description and provide search on top of that data.
- **Portfolio Management Api:** Simple REST api backend to create and store the ticker-portfolio data to use for personal journaling
- **Face and facial features detection app:** Used dlib, opencv to implement face and facial features' detection. Used django to create a web application that can work on the heroku server. <https://onedsoni.herokuapp.com>
- **Twitter sentiment analysis:** Used tweepy to fetch tweets via hashtags and perform data cleaning for sentiment analysis on top of it using textblob. <http://twittrdata.herokuapp.com>
- **Hackernews clone:** Used beautifulsoup to scrape data from a webpage, implemented the web application in django and hosted on heroku. <https://hnewsclone.herokuapp.com>

## EDUCATION

B.Tech CSE (2015 - 2019)	JECRC Foundation, Jaipur	68%
class 12th (2013 - 2014)	H.G. International School, Aburoad	83%
Class 10th (2011 - 2012)	St. Anselms' Senior Secondary School, Aburoad	95%

## INTERESTS

Fond of traveling and enjoying the local delicacies and scenery. I also like to spend my time knowing about how to speed up systems to their limit. A few sources that I like are p99 conferences, engineering blogs of giants like linkedin, netflix uber.