Dewansh Rawat

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Software Engineer at Udaan

Website: dewanshrawat.in. Mobile number: +91-9968858476 Short Introduction: bit.ly/dewanshshortintro.

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, Kotlin, C++, Dart, Java, SQL, HTML/CSS
Frameworks: Django, React Native, React, Redux, Flutter, Provider, TensorFlow, Struts, NodeJS, Flask, ExpressJS
Developer Tools: Code, Git, Azure, AWS, TravisCI, Google Cloud Platform, Vercel, Netlify, Docker, Jenkins, Heroku
Designer Tools: AdobeXD, Figma, Adobe Photoshop, Adobe After Effects, Adobe Illustrator

EXPERIENCE

Software Engineer - Core Buying Experience 8th August 2022 - Currently
Udaan.com *React Native, Redux, Kotlin*

- BOLT Footwear: Built an entirely new shopping experience for B2B Footwear buyers. Reduced latency from 330ms to 180ms, reducing the payload size from 42 kb to 28 kb in the new shopping experience, and made it a 3-click shopping experience from discovery to checkout
- Promotion Migration: Worked on migrating the existing constructs from a promotion system catering to specific category buyers to a new generic promotion system. Prevented issues of double discounts, order placement failure, and promotions not applying by building new capabilities in the system.
- Order Management Service cleanup: Identified a pain point in the system that was hampering order placement flow for Grade A buyers with high volume order placement. Built a system to cleanup such bugs, and resume order flow
- Compliance and Cleanup Activites: Working on building new capabilites to support the existing buyers and keep up with the latest compliance for Pharma buyers. Also, identified weak points in the current catalog system to plug inconsistency in data ingestion formats, which helped in creating a standardised data format for 86k listings in the current catalog.
- Pharma BOLT Experience (React Native, Redux, Kotlin): Created a new refurbished experience for Pharma users resulting in a decrease in time to build cart, an increase in weekly GMV and orders placed, and other key metric factors within around 500 buyers from Bangalore. For a cohort of 600 users, reduced A2C conversion time by around 25%, increased search volume by around 11%, an increase in 10% of items being ordered, an 8% increase in the number of orders being placed, the number of orders increased by 22% for the orders placed by users was observed vs the non-cohort buyers.

Full Stack Intern 2nd June 2021 - 2nd August 2022
Sony Research India *ReactJS, Redux, Django, Flask, AWS*

- Metadata Extraction Project (Flask microservices, Django, ReactJS, AWS Lambda, AWS SNS, API Gateway, AWS S3, AWS DynamoDB, Redis): Responsible for revamping the entire architecture for a system that is used to extract metadata from TV Shows/Movies like characters, emotions, objects, etc, by introducing caching, database optimisations that boosted the efficiency and performance of the application.
- Viewership Project (Django, ReactJS, AWS Lambda, AWS SNS, AWS S3, AWS DynamoDB, Redis): Led a team of three interns to build a TRP analysis system for data collected, extracted, processed and computed to give meaningful insights to the Sony Pictures Network India team.
- ML Engine Project (Django, ReactJS, AWS Lambda, Celery, Redis, AWS SNS, AWS DynamoDB, AWS S3): Responsible for architecting and building and end-to-end platform for consuming videos and extracting TRP data from scratch. Wrote a custom queue to make file processing for consuming data from different microservices and processing data.

Full Stack Intern 5th October 2020 - 5th Feburary 2021
Tezsure India *React Native, Redux, Flutter, Dart, Web3*

- My work involved developing the mobile wallet app on React Native for the blockchain currency Tez and building a Flutter based package to be able to interact with the Tezos Ecosystem.

Summer Research Intern 10th June 2020 - 18th August 2020
Indian Institute of Information Technology Allahabad

- I worked on getting state of the art results for classifying autism from fMRI data on the ABIDE dataset. My worked revolved around Dimensionality Reduction using which I was able to get 80% classification accuracy, as compared to other state of the art results.

Summer Intern   11th June 2019 - 28th July 2019
School of Information Technology, Indian Institute of Technology Delhi   *Struts2, JSP, Apache Web Servers*
- I worked on a project to create a system to track files in real time using barcodes and barcode scanners. Made a Struts based web app deployed over IIT Delhi's internal cloud network authorised over IIT Delhi's OAuth.

EDUCATION

Bharati Vidyapeeth Deemed University College of Engineering Pune   Pune, India
Bachelors of Engineering in Computer Engineering   *July. 2018 - July 2022*

COURSEWORK AND ACHIEVEMENTS

Architecting on AWS - Accelerator - Completed 5 days of training conducted at Sony Research India by an AWS Certified trainer from AWS
Excellence Certificate - Data Structures and Algorithms in Python
Specialization Certificate - Tensorflow in Practice
Google Cloud – Learnt about various services offered by Google Cloud during events conducted by Google DevRel Team.
Coursework – Discrete Mathematics, Design and Analysis of Algorithms, Principles of Data Structures

PROJECTS

Cuisinier | *Flutter, PyTorch, Django, Firebase*   the-cuisinier.web.app
- Cuisinier is a smart platform where the app suggests the most optimum usage of the ingredients being used to prepare a particular dish. It generates a time table which maximises the number of dishes being cooked in the given amount of ingredients. Also integrated Deliciora, a system that converts a dish image to its recipe.

Thoughts | *Flutter, Firebase*   th-oughts.web.app
- Thoughts is a platform to write down about your daily life experiences. Write down your thoughts and your experiences.

Swikrati | *MongoDB, ExpressJS, Flutter, EC2*   devfolio.co/projects/swikrati-f21a
- We decided to build Swikrati, a platform that gives the end-user granular access over fetching data. From specifying what kind of data you want to fetch to specify the frequency at which this data can be fetched, Swikrati grants all access to the end-user. Moreover, each bit of data is stored on the client-side.

Chirp | *Flutter, Firebase*   chirp-aud.web.app
- Chirp is a new way to chat. Chirp allows you to bring forward that chirpy nature of yours. It's a messenger system where you can add friends, and send voice messages.

Rock Paper Scissors | *Flutter, Firebase*   devfolio.co/submissions/rock-paper-scissors-4
- The idea was to build a Mobile game purely based on stream data events, state management techniques and database operations. Built a rock paper scissors game using the above mentioned techniques.

Folio | *Flutter, Vue, Firebase*   github.com/dscbvppune/folio-app
- Created a template Github Repository enabling students with non technical background to be easily update/maintain their portfolio website.

Historia | *Django, Google Cloud Vision API, React, GhostDriver*   github.com/historia-inout
- A ReactJS based chrome extension to keep track of Visual Browser History. The chrome extensions sends URLs to scrape to the Django based server to scrape text and images, and run Vision API on images to store in database.

Taption | *Django, IBM Watson Vision API*   taption.herokuapp.com
- Taption is a Django based platform. Once an image is uploaded to Taption, object entities are recognised, and captions from song lyrics having those entities are displayed.

Jack | *Flutter, Shell Scripting*   github.com/dewanshrawat15/jack
- A mobile app using which you can control basic MacOS functions. The app uses SSH and OSAScript to control several utility functions.