

# Manish Dwibedy

## EXPERIENCE

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### Social Protocol – Remote

#### Lead Engineer

July 2022 – Present

- Worked on two projects, firstly developing an aggregator platform for various LLM models like Open AI, Bard, etc; secondly, building a religious platform hosting like Zillow
- Developing backend tasks and API and saving data in MongoDB
- Creating the front end for the application using the React framework.
- Architecting to design the entire tech stack involving backend, frontend, hosting and DB
- Reporting directly to the CEO regarding the technical progress & roadmap
- Utilising tech including Python, Flask, Node.JS, React, MongoDB, Vercel, Google Maps & Docker

### The Trade Desk – Remote

#### Senior Software Engineer

May 2022 - June 2022

- Worked on the 'Data Access' platform (new product) - providing Restful, GraphQL & gRPC interfaces to various TTD internal products and external client facing APIs.
- Utilising tech including Python, FastAPI, Postgres, Docker and Kubernetes

### Tatras Data – Remote & New Delhi, India

#### Senior Software Engineer

Sept 2020 – May 2022

- Worked with 2 North-American organisations (PathFactory and Good United) for backend operations
- Heading the backend API tasks and collaborating with data scientists to feed data to the pipelines along with returning the model's output, needed for PathFactory content recommendations.
- Contributed to the backend API development along with database operations for computing Good United's Facebook Donation Campaign contributions.
- Collaborated with the onsite product development team on a weekly basis.
- Contribution towards mentoring along with recruitment activities for junior level engineers.
- Utilising tech including Python, FastAPI, Celery, Redis, MongoDB, SQL, AWS & Docker

### Scry Analytics Inc – San Jose, California

#### Data and Senior Software Engineer

May 2018 – Apr 2020

- Worked with 2 North-American organisations like Cisco and ABB. Further integrated and collaborated with Cisco clients - "San Francisco 49ers" and "Southern California Edison".
- Worked on Cisco's IoT Platform and AI detection platform, for developing API for the AI to communicate, deploy the platform on Cisco hardware, develop UI for the platform, etc.
- Contributed to the AI pipeline for ABB's Preventive Maintenance to detect whether a factory machinery would fail in the near future. Contributed to the overall data pipeline using Python/PySpark along with collaborating with data scientists for anomaly detection.
- Apart from working with Scry clients, worked on Scry's platform called "Collatio" for document processing to handle the backend and frontend tasks for extracting data from the documents.
- Developed multiple modules (using backend stack of Python and Node.JS) along with the Angular Dashboard.
- Collaborated with individuals from multiple timezones from Gurugram, India and Shanghai, China.
- Utilising technologies including Python, Node.JS, Angular 8, MongoDB, AWS, Azure Cloud, Docker

### Social Spaces – Los Angeles, California

#### Full Stack Engineering Intern

Jan 2018 - Apr 2018

- Working on implementing an event recommendation system
- Assisting in developing the block-chain part of the platform on the ETH platform

### Single Focus Inc. – Los Angeles, California

#### iOS Lead Engineer

Mar 2017 - Oct 2017

- Developed, tested and launched the app on the App Store.
- Worked on authentication service, Map based view and Google's Firebase Platform

## University of Southern California – Los Angeles, California

Graduate Teaching Assistant

Jan 2015 - May 2017

- Worked for CSCI 571: Web Technologies under Prof. Marco Papa.
- Assisted the professor with assignments, exams as well as holding office hours.
- Utilising technologies including PHP, Angular, iOS App development and Google Cloud,

## Tata Consultancy Services (TCS) – Gurugram, India

System Engineer

Sept 2012 - Jun 2015

- Development of backend API along with the product dashboard development
- Lead the development of the “HOBS Connected Devices Management” to better manage network devices for telecom networks
- Developed, deployed and tested multiple modules for the product prior to the product launch for a major telco in Australia
- Contribution towards mentoring along with recruitment activities for junior level engineers.
- Utilising technologies including Java/J2EE, MySQL, PERL and UI development (JSP/HTML/CSS/JS)

## SKILLS

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**Backend** - Python, Flask, FastAPI and Node.JS

**Data** - SQL (Postgres), NoSQL (MongoDB), Redis and Kafka

**Frontend** - HTML/CSS3/JS, jQuery, Bootstrap, Angular, React and Flutter

**DevOps** - Docker, Kubernetes, CircleCI, Serverless and AWS (Lambda, SQS, EC2 etc.)

**Beginner** - Web3 using Solidity (ETH) and Data Science (ML/AI)

## CERTIFICATIONS & TRAININGS

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- Java Standard Edition 6 Programmer Certified Professional by Oracle - 2015

## EDUCATION

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University of Southern California

Aug 2015- May 2017

Master of Science, Computer Science, Computer Science; GPA: 3.61/4.0

Guru Gobind Singh Indraprastha University

Aug 2008-May 2012

Bachelor of Technology, Computer Science, GPA - 3.7/4.0

## PERSONAL INFORMATION

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## ACHIEVEMENT

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*eInsure*

April 2020

- Developed a product to provide better visibility in the InsurTech domain.
- **Solo developer**, pivoted to work in the supply chain domain instead.
- Won the **5th position finish in World Blockchain Hackathon (Online)**.

*Novagen*

Feb 2018

- Developed a Flask web based application to discover new prescription drugs.
- Team of 4, Source code Available at <https://github.com/michael13162/novogen>
- Won the **Best Data Science in Health Field in TreeHacks 2018 at Stanford, CA**.