

MANAV AGARWAL

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Experience

Engineering Manager

Sep 2022– Present

Humalect Technologies Private limited

Bengaluru, Karnataka India

- Built a platform from scratch to automate kubernetes deployments that itself provisions the Kubernetes cluster, the NGINX ingress controller, HPA, VPA and other pre-populated services.
- Built a cost optimization platform from scratch to optimize cost for Databricks and Snowflake. Researched in depth and found ways to suggest users dynamic recommendations like automatically detecting anti patterns in queries, warehouse resizing based on usage etc.
- The generated recommendations saved approx 40% of cost for customers including one of the biggest airlines.
- Built with Django and SailsJS as backend along with Terraform, Golang and Helm microservices to automate the complete platform.

Software Development Engineer

Dec 2021– Sep 2022

Dukaan (Growthpond Technologies Private Limited)

Bengaluru, Karnataka India

- Developed Production ready, full-fledged features (from Database architecture to LLD) like Staff Accounts, Referral System, Aadhaar KYC, Subscription Plan upgrade etc.
- Build on Django, PostgreSQL and Django Rest Framework.

Google Summer of Code

June 2021– August 2021

Django Software Foundation

Remote, California US

- Written Industry Grade code to increase the robustness by optimizing migrations for the Django framework which are used by **Instagram** and **Youtube**.
- Improved the working of Cursor execution for SQL commands.
- Developed an efficient Data Structure for Django migrations to work more smoothly and validated with profiling.

Open Source Developer

Sep 2020– July 2023

Django Software Foundation, Gitlab, Kubernetes

Remote

- Got 10+ PRs merged with around 1000+ lines of industry-grade production-ready code changes in Django. (With the Majority of PRs around ORM, migrations, and Database operations)
- Got recognition in the **Django AUTHORS list**.
- Fixed issues with File processing and text editor in Gitlab.
- Improved the logic for proxier service in kube-proxy Kubernetes.

Internship

Sep 2021– Dec 2021

HackerEarth

Remote

- Created more than 100 SQL problems for competitions.
- Evaluated various major hackathons like American Express CodeStreet, IBM Reimagine Future, Route Mobile RAPID, BAYER, Juspay, Western Union, SAP etc.

Projects

Map Based Hyperlocal E-commerce for Local Stores | Startup Idea

2020

- Designed and Developed a project to take local shopkeepers online to minimize impact of COVID on business.
- Developed the complete backend and frontend. Built a production ready platform for shopkeepers in a few months.

Achievements

- First Ever Google Summer of Code Student from my college and second from India for The Django Software Foundation.
- Internal Smart India Hackathon Winner.
- Achieved Rank under Top 100 world teams of HackOne Capture the Flag Event.
- Reported a P0 Bounty in Zerodha.
- Got responsibility of Technical Content Writer and Reviewer at Geeksforgeeks and was Honoured with the title of Geek of the month by geeksforgeeks.
- Laid the foundation of the biggest Tech community of my college and later it became an inter college community with 3000+ members .

Education

Dr. A.P.J. Abdul Kalam Technical University

Bachelor of Technology, Information Technology