

Sajal Gupta

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WORK EXPERIENCE

Hewlett Packard Enterprise (HPE), Bengaluru, India

SOFTWARE ENGINEER – 1 (DevOps)

Aug, 2021 – Present

- **Data Fabric as a Service:** Successfully delivered DFaaS in 3 months with a team of 4.
 - Added APIs to show relevant volume information to the users.
 - Designed & deployed the auth broker to handle authorization & authentication for entire service.
 - Defined 5+ roles and 20+ permissions for different user personas.
 - Built & exposed 5+ APIs to register & deregister the roles & permissions for different users.
 - Designed the NoSQL database for 15+ data access queries for 5+ entities.
- **Machine Learning Operations as a Service:**
 - Debugged defects to enhance security via Ansible automations.
 - Wrote Ansible scripts for installation of 3 applications to save manual time by 4 hours for each.
 - Identified & created critical Logz alerts to notify within 5 minutes to 2 hours based on severity.

RESEARCH & DEVELOPMENT INTERN (DevOps)

Feb, 2021 – July, 2021

- Successfully delivered proof of concept to host multiple users on a single MLOps Solution rack.

Skills Learnt: Kubernetes, Docker, Ansible, Linux, GitHub, Cloud Technologies, Golang.

Cleantech Solar, Singapore

OPERATIONS & MANAGEMENT DATA ANALYST INTERN

May, 2020 – July, 2020

- Provided support in performance & long-term behaviour analysis of 30+ PV assets across Asia.
- Performed Big Data Analysis of PV Systems using Weather Parameters as reference to study relevant trends.
- Generated 10+ Data Visualizations for various internal and external stakeholders.

Skills Learnt: Python, R, Bitbucket.

Udaan, Bengaluru, India

SUMMER INTERN, SUPPLY CHAIN

May, 2019 – July, 2019

- Set up reporting for Control Tower of Fresh Supply Chain leading to 30% increase in last mile app usage.
- Automated generation of daily summarised & detailed reports for PAN India Last Mile hubs.
- Defined Standard Operating Procedures for Warehouse and Last Mile Operations.

Skills Learnt: SQL, MS Excel, Supply Chain Management, Writing Standard Operating Procedures.

PROJECTS

Newordle

Oct, 2022 – Present

- Created a wordle clone to explore Java and Spring Boot for backend development.
- Designed 4 APIs for CRUD operations with latency of up to 120ms.
- Created a MongoDB database for storing and tracking words, ensuring no repetitions in word of the day.
- Designed a cron scheduler for updating the word of the day and updating the db accordingly

VOLUNTEERING EXPERIENCE

Proshow - Revels'20, Manipal, India

CATEGORY HEAD

Nov, 2019 – March, 2020

Proshow of Revels, MIT's Cultural Festival, involves eminent personalities as star performers for the event.

- Led a team of 50 organizers with 6 co-category heads to put up a show for 3500+ students.
- Managed the stage requirements for the entire fest including the artist requirements for the stages.
- Mentored organizers in public speaking to emcee entire fest's events.

Skills Learnt: Leadership, Stage Management, Public Speaking, Team Management.

EDUCATION

Manipal Institute of Technology

2017-2021

B. Tech | Major: Information Technology | **CGPA:** 8.12

Courses: Data Structures & Algorithms, Object Oriented Programming in Java