Sudhanshu Kashyap

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EDUCATION

BITS Pilani   **May, 2022**
BE , Electrical & Electronics (Hons.)   GPA : 8.85/10

TECHNICAL SKILLS

- **Languages**: Python, Lua, C++, Go, SQL, HTML/CSS, Javascript
- **Tools**: Apache NiFi, Airflow, pg-admin, Portainer, Cloudflare, nginx, Hugo, Jenkins
- **Technology**/**Framework**: AWS, Databricks, Pyspark, Docker, Kubernetes, Linux, FreeBSD, MongoDB
- **Areas of Interest**: Full Stack Development, Big-Data, Operating Systems, Game Development, AI/ML

WORK EXPERIENCE

JP Morgan Chase & Co.   **Jul. 2022 – Present**
Software Engineer 1   *Bengaluru, Karnataka*

- Worked on ETL Pipelines in the cloud engineering team, providing cloud support and creating infrastructure.
- Wrote ingestion and transformation jobs in **PySpark** within **Databricks** to ingest and process data in data lake.
- Developed and implemented test utilities for **NiFi**, ensuring the efficiency and reliability of data processing workflows. Created Workflows which could handle data in volumes of 30-40 GBs on a single load.
- Gained expertise in **Terraform** for **AWS Cloud** and various AWS Technologies like API Gateway, Lambda Functions, SQS, SNS, Step Functions and DynamoDB.

PROJECTS

Google Summer of Code : CI Test Harness for Bootloader (OS)   **GSoC 2023 (FreeBSD)**

- Collaborated with **Warner Losh** to lead a project aimed at enhancing FreeBSD testing capabilities.
- Rewrote the existing full-test.sh script in Lua and Python, allowing comprehensive testing of all architecture combinations supported in first and second-tier support.

Links : GSoC 2023 | [Github] | [FreeBSD Wiki]

Book Sites : Self Documentation   **2021-Present**

- Created and maintained comprehensive book summaries and notes on a wide range of useful topics.
- Demonstrated proficiency in Linux administration by hosting the project on a self-managed bare-metal server.

Links: algo.minetest.in books.minetest.in/toc

CareQuest : Full Stack Project   **2020-2021**

- Developed CareQuest a COVID-19 load balancing platform for medical services, incorporating features like Plasma Bank, CareNet, Track A Bed, Covid Tracer, and Bots.
- Utilized a diverse range of technologies such as Node.js, SendGrid, PushBot, Tesseract, HereMaps, IBM Watson, Heroku, Firebase, MongoDB, jQuery, Bootstrap, and Semantic UI for robust functionality.
- Achieved significant recognition, ranking as Asia #2 in Programmer's Date, shortlisted in the top 32 teams for the global finals of the Better Health Hackathon: #CodeForCovid19, and recognized for Best use of Google Cloud in SigmaHacks 2.0.

Minetest : Hosting Voxel Based Games   **2020-Present**

funCharge : Postman API Hackathon 1.0   **2022**

- Using various APIs to provide the most efficient route, while listing and ranking options of charging stations and recreational activities that commuters can engage in. Winner of BITS Pilani Postman API Hackathon 1.0.

CERTIFICATIONS, SKILLS & INTERESTS

- **Certifications:** AWS Certified Developer Associate
- **Interests** : Guitar, Music Theory, Gym Training, *Games, Seinfeld*