Chen Gaosong(Cedar)

📞 13226435125　✉ a1249812431@gmail.com
💬 as1249812431　🖥 https://github.com/tallsong
💼 Software Development Engineer

PROFESSIONAL EXPERIENCE

JD.com　　2021.10 - 2022.08

Software development engineer - Data Intellgence　　Beijing, China

Participated in the development of [Nine Security Computing Platform](), mainly responsible:

- SQL parsing: parses the SQL input by the user to generate the corresponding security calculation API code (PySpark, SQL, Python), and the parsing ability is improved by 50%

- Jupyter development: developed custom user login, code detection, custom kernel, and other functions (Jupyter, Python, Kubernetes, Docker)

- File service: developed user data storage, query, and other related functions (Flask, Pandas), supports access of file list of folders from the file system, HDFS, and S3 interfaces, creating folders, obtaining CSV and ORC format headers, obtaining the number of rows and columns, file size, uploading files, and reading the first N lines of files. The results are returned in restful style JSON, average increase of 30% in final response speed

Institute of Information Engineering, Chinese Academy of Sciences　　2020.07 - 2021.10

Software development engineer　　Beijing, China

- Optimize the user interface and implement the backend functions (C++, QT, socket) of the security and security authorization management system of the virtualization platform

- The design and implement a distributed storage system, mainly implement user management, uploading and downloading files, file collection and sharing, user history viewing, and other functions (CEPH, Linux, Django, HTML, CSS, JavaScript, python)

- Storage cluster monitoring module development and document online browsing function implementation (Flask, JavaScript, Python)

Yuexin Technology　　2019.06 - 2019.12

Data development engineer Intern - Big Data Engineering　　Beijing, China

- Data warehouse extraction, scheduling, processing, cleaning, and analysis of hundreds of millions of data levels
- Use ETL tools to write scripts and SQL to process data (Kettle, JavaScript)
- Develop data crawlers for enterprise industrial and commercial data (Python, Scrapy, XPath)

Open source projects and works

Chinese language assessment system　　2020.07 - 2020.10

- Built a web system that can input English-generated corresponding audio files and play online, and display the corresponding audio map (Django, JavaScript, Xunfei API)
- Through this system, Chinese can be entered online and scores can be given in real-time.

University information retrieval system　　2019.12 - 2020.02

- Built and deployed a web system (Nginx, Django, and Alibaba Cloud)
- This system regularly captures data of 1500 universities from other websites and displays the data on the page (scrapy, HTML, CSS, JavaScript)
- You can register, log on, activate, view history, and collect satisfactory institutions (Redis, Celery)
- Retrieve university information (MySQL, Amap API, Whoosh, Haystack) through keywords, longitude, latitude, and ranking

EDUCATION

Guangdong Baiyun University　　2016.09 - 2020.07

Information Management and Information System Bachelor　　Guangzhou, China

MISCELLANEOUS

- **Languages:** Chinese(native speaker), English(DET100)