James JIANG

Data Eng. & Backend Eng.

Over 3 years in scalable backend software and big data architecture. I love sharing insights on Scala, Python, and TypeScript libraries. Building with these tools is a joy, seeing their impact on users is fulfilling.

Email
yjamesjiang@gmail.com

GitHub
github.com/iLoveDataJjia

LinkedIn
linkedin.com/in/james-jiang-87306b155

Localtion
Paris, Île-de-France

Work experience

Lead Data Eng. & Backend Eng.
Datategy, Jan 2022 – Present

Lead developer for the PapAI platform. Rewamped the Spark service, resulting in highly responsive and performant ETL and data analytics features on the platform plus a stable git repository for developers to contribute. Implemented a Stripe based billing system in the Scala Backend service, leading to the PapAI platform being opened as a SaaS product for users. Onboarded three junior Scala and Spark developers in my team.
(Scala, Spark, Cats, Cats-Effect, Circe, Doobie, Tapir, Http4s, Pekko HTTP, Slick, ScalaTest, Mockito, SBT, Python, PostgreSQL, MinIO, IntelliJ, VSCode, DBeaver, Bitbucket, Docker, Kubernetes, OVH Cloud, Stripe, MacOS)

Data Engineer
Sopra Steria, Jan 2021 – Jan 2022

Data engineering consultant for two leading French companies: SNCF Transilien and Geodis. Implemented portable and scalable Spark pipelines on Cloudera and Kubernetes, allowing data analysts and business professionals access to organized data in a data lake. Orchestrated these Spark pipelines using Airflow to ensure the most up-to-date data availability.
(Scala, Spark, ScalaTest, Maven, Python, Airflow, IntelliJ, VSCode, Hive, NiFi, Databricks, Cloudera, GitLab, Azure DevOps, Cloud Azure Blob Storage, Windows)

Others
Junior Data Scientist: Alten, May 2020 – Sept 2020
Junior Data Scientist: IRIT, Jan 2020 – Mar 2020
International Junior Data Scientist: Herriot-Watt University, Jul 2019 – Aug 2019

(Python, Pandas, Seaborn, SKLearn, TensorFlow, PyTorch, Hugging Face, spaCy, NLTK, Jupyter Notebook, Matlab)

Education

Grande École d'Ingénieurs - Computer Science (M.S. CS)
ENSEEIHT, 2017 – 2020

CS fundamentals, Backend Engineering, Data Engineering, Data Science, Agile SCRUM
GPA (France) - 14.743/20

Master of Science (MSc) - PSMSC
Toulouse INP, 2019 – 2020

Deep Learning, Big data, DevOps fundamentals
GPA (France) - 15.54/20

Preparatory class for the Grandes Écoles d'Ingénieurs (CPGE)
Lycée Janson-de-Sailly, 2015 – 2017

Maths Sup (MPSI), Maths Spé (MP)

Personal projects

Frontend Engineer
SR7.NL, 2023 – Present

Designed and implemented a React-based site to assist Honkai Star Rail players in character building. Onboarded one junior React developer to the team. The site generated 2.1k unique users.
(Figma, TypeScript, React, NextJS, TailwindCSS, Python, Beautiful Soup, VSCode, Firebase, Google Analytics, Windows)

Others on github.com/iLoveDataJjia

Languages

- French: Mother tongue
- English: Fluent (TOEIC score of 840/990)
- Mandarin Chinese: Proficient for daily situations