

Loic Masson

github.com/layerzzzio

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layerzzz.io

PROGRAMMING SKILLS

Languages: Dart, Go, Python, Scala, SQL, Java, Javascript, Bash, HTML, CSS

Technologies: Linux, Azure, AWS, GCP, Snowflake (including SnowSQL), Airflow, DBT, Docker, Git, Hadoop, Firebase (Firestore), API, PostgreSQL, Elastic Stack (ELK)

Industry knowledge: business intelligence (BI), extract transform load (ETL), data warehouse (DWH), Big Data, mobile app development, shell scripting, API development, documentation (static website), Raspberry Pi, scrum

Market knowledge: retail, logistics, plants, chemical, publishing, banking

OPEN SOURCE

Raspberry API (remote)

 Backend Developer

 01/2023 to now

 <https://github.com/layerzzzio/raspberrypi>


 www.raspberrypi.com

Tools & languages: Golang, Bash, VitePress

- Developed an API with Golang (backend) that queries essential Linux metrics
- Documented the project to encourage public contributions and usage

EXPERIENCE >7 years

Diagramatic (remote)

 Full-stack Software Developer


 10/2022 to now

 Web app for creating diagrams online


Tools & languages: Flutter, Dart, PostgreSQL, AWS Cloud

- Developed an API with Dart (backend)
- Designed and developed the front-end with Flutter (Dart)

14 West (Baltimore, USA)

 Senior Data Developer


 08/2020 to 08/2022

 14west.us - publishing industry

Tools & languages: SQL, Snowflake, SnowSQL, DBT, Airflow, Python

- Responsible for implementing a brand-new data stack and for designing the data warehouse
- Fine-tuned complex SQL queries in order to optimize the usage of credits
- Developed and designed a data warehouse from scratch using SQL (Snowflake + DBT)
- Defined the best practices and communicated them to the team via a Handbook, inspired by GitLab (<https://about.gitlab.com/handbook/>)

RaspiBuddy (remote)

 Full-stack Software Developer


 04/2020 to 06/2021


 raspisuite.com/raspi buddy - Mobile app for Raspberry Pi

Tools & languages: Flutter, Dart, Firebase

- Published the RaspiBuddy App to Google Play Store
- Designed and developed the front-end with Flutter (Dart)
- Modeled the data in Firebase (No-SQL database Firestore)
- Documented the project and created the landing page

Business and Decisions (Brussels, Belgium)

 Data Engineer, consultant at Carrefour


 07/2017 to 03/2020


 carrefour.be - retail industry

Tools & languages: Scala, Azure, Cloudera, Python, Streamsets, HDFS, Kafka, Hive, Impala, Cloudera Workbench, Cloudera Navigator, Airflow, Linux, IntelliJ, Git, Elasticsearch, Kibana, IntelliJ

- Responsible for developing the data warehouse (DWH) and monitoring the Big Data cluster
- Designed data pipelines to repatriate data from legacy systems (Oracle, API) to the Data lake
- Developed a full Data Warehouse framework using Spark Scala (object-oriented)
- Scheduled the DWH in production using Airflow (facts and dimensions)
- Helped install 16 servers Cloudera Hadoop cluster in the cloud
- Monitored the cluster in production and troubleshoot if needed
- Performed regular admin actions on the cluster such as memory usage, FS monitoring, node addition, disk mounting, SFTP configuration, and others
- Created bash and python system codes to improve the production processes
- Installed and configured Elasticsearch and Kibana

Business and Decisions (Brussels, Belgium)

 Data Engineer, consultant at Port Of Antwerp

 12/2016 to 06/2017


 portofantwerpbruges.com/en - logistics sector


Tools & languages: PySpark, Azure Event Hub, Azure HDInsight, Git, Jupyter Notebook, Tableau

- Demonstrated the use of GPS data for boat monitoring
- Set up the Azure Event Hub stack including an Azure HDInsight cluster Functional Analysis
- Collected the functional requirements during business meetings

- Developed PySpark scripts to analyze the GPS data
- Created visualizations using Tableau showing:
 - boats' routes in the port
 - the busiest area of the port
 - several port traffic metrics

Econocom (Toulouse, France)

 System Administrator, consultant at La Banque Postale


 07/2015 to 07/2016


 labanquepostale.fr - banking industry


Tools & languages: Linux, Bash, Websphere, VI

- Responsible for maintaining a pool of 256 JJ2E applications in production (Business Applications department), including upgrading existing apps, installing new ones, and troubleshooting them during monthly night shifts
- Implemented the changes provided by the development team
- Prepared the deployment processes following a specific procedure
- Updated or deployed applications in production
- Scheduled regular health checkups on the servers and developed system scripts to improve the production processes

Online (remote)

 Full-Stack Developer

 03/2015 to 03/2016


 PDF upon request - chemical industry

Tools & languages: Python, Scrapy, Mongo, Plotly, PyCharm

- Responsible for providing precise market insights (market shares, competitors, etc.) on the semiconductor market globally to my customer
- Designed an online market analysis framework for the chemical industry
- Summarized the concepts in a 23 pages document
- Collected functional requirements during business meetings
- Scraped import/export data from import statistics websites using Scrapy
- Stored the data in Mongo collections
- Summarized the results in reports provided to the customer

Arkema Korea (Seoul, South Korea)

 Business Developer

 03/2012 to 03/2014


 arkema.com

- Responsible for developing the phosphorous business in South Korea and Taiwan
- Performed market analysis including understanding the needs, trends, and competitors' positions in the market
- Provided ideas for new products desired in the marketplace
- Identified and selected a distributor based on its strength and weakness in the market

EDUCATION

 **Specialized Masters of Strategy And Development Of International Affairs**


 Lyon and Paris, France


 09/2010 to 09/2011


 CentraleSupélec (centralesupelec.fr/en)

 EM Lyon Business School (em-lyon.com/en)

 **Chemical Engineering MS**

 Lyon, France

 09/2007 to 09/2010

 CPE Lyon (cpe.fr/en)