

Ahmed JOU

Expert R & R Shiny

Client Success & Reviews: [Video Testimonials Gallery](#) 🏆

Portfolio: <https://ahmedjou.datarmy.com/#portfolio>

e-mail: [ahmed.jou@datarmy.com](mailto:ahmed.jou@datarmy.com)

Mobile number: +33 7 67 11 77 63

Open to both remote and European on-site opportunities

## TRAINING

---

**2022:** Engineering degree in Data Science, ESIEA, Paris, France. (Alternance)

**2020:** Master in Nuclear Physics, University of Strasbourg, France.

## EXPERTISE

---

### Functional skills :

**Data Analysis Skills:** analysis, processing and visualization.

**R package development:** Development, optimization and documentation.

**Web development:** Advanced skills in web languages, allowing aesthetic customization of R Shiny apps.

**Project management skills:** stakeholder management, communication with multidisciplinary teams, agility and documentation.

**Training skills:** proactively teaching my colleagues on technical aspects and good practices to increase their skills.

**Autonomy.**

### Sectors of intervention:

Energy, medical (oncology), banking, retail, etc.

## TECHNICAL SKILLS

---

### TOOLS

Microsoft Excel (VBA), BI tools (PowerBI, Looker Studio, etc.)

### LANGUAGES / AGL

**R language:** {Shiny}, {tidyverse}, {data.table}, {ggplot2} used with {ggiraph} for the tooltip, {highcharter}, {plotly}, {shinyjs}, etc.

**Web language:** HTML, CSS and JS (for customizing R Shiny dashboards).

**CI/CD:** version management with GIT: GITLAB, GITHUB, BITBUCKET, etc.

**Agile Development:** JIRA, ASANA, OPENPROJECT.

**Python language:** Pandas, ML

### SYSTEMS

**Linux terminal:** (UBUNTU or Debian AWS EC2 instance) for deployment tasks, JOB CRON automation or for server-side troubleshooting.

### DATA BASE

**SGBD:** SQL (Snowflake, AWS Redshift, AWS S3)



## LANGUAGES

---

English, French and Arabic

## PROFESSIONAL EXPERIENCES

---

**SANOFI France** - <https://www.sanofi.fr/> - **FRANCE**

**06/2024 to 01/2025**

### Role

*Project Manager – Data Tool Designer – R Shiny Expert*

### Mission description

- **Business Requirements Gathering:** Engaged with planning and production teams to optimize the Demand & Operations Planning (D&OP) workflow.
  - **Design & Development:** Built a large-scale R Shiny application – Capacity Planning – enhancing traceability, process rigor, and reducing D&OP planning cycle durations.
  - **Process Automation:** Automated R ETL workflows using eWise.
  - **Mentorship:** Provided guidance to colleagues to strengthen their data analysis and web development skills.
- ✓ **Results:** Global adoption of the tool. Significant time savings and improved compliance with Good Manufacturing Practices (GMP). Automation cut D&OP process time by **20 man-hours** per week, saving to the company **€156,000** annually.

**Environment:** R, {Shiny}, {timevis}, {data.table}

**IDE:** eWISE, Posit Connect, Posit workbench

**DATACHAMP'** - <https://www.datachamp.fr/> - **FRANCE**

**06/2023 to 06/2024**

### Role

*Expert R Shiny Collaborator*

### Mission description

Working in collaboration with Charles Bordet, founder of DATACHAMP' and prominent figure in the R Shiny community, to provide technical solutions to **several** international clients.

- Development of R and R Shiny apps meeting specific client needs and providing valuable information on the data.
- Documentation of data extraction scripts and ensuring accuracy and consistency of ETL processes
- Technical debugging of R tools
- Implementation of unit testing for client-specific R apps using the {testthat} package, creating and automating tests to ensure code reliability and functionality.
- **Clients:** AFD, Alteryx, Viking, <https://vikingconseil.fr/>, etc.

**Environment:** R, {Shiny}, {tidyverse}, {data.table}, {ggplot2} accompanied by {ggiraph} for the tooltip, {highcharter}, {plotly}, {shinyjs}, {testthat}, etc.

**IDE:** RStudio Server

**DATA QUALITY OFFICER – DISNEY PARIS**

**03/2023 to 06/2023**

### Role

*Data Analyst – Data Quality Officer*



### Mission description

- Development and maintenance of SQL scripts on Snowflake to ensure acceptable data quality in production, regular presentation of analysis to business managers.
- Creation of automated python pipeline for test SQL queries (SODA, Pytest-snowflake)
- Collaboration with cross-functional teams (Product Owner, Data Engineer, Business Managers) to establish data governance rules, ensuring compliance with business needs.
- Creation of data quality monitoring dashboards using BI tools (Tableau)

**Environment:** SQL Snowflake, DBeaver, Python, Soda

**MEDTRUCKS** - <https://medtrucks.com> - FRANCE

**10/2022 to 02/2023**

### Role

*Consultant R Shiny*

### Mission description

Maintenance work on a mapping prototype developed by Medtrucks statisticians: Medmapping, a free patient mapping platform accessible to all, intended for healthcare stakeholders in France, with the aim of measuring the extent of medical deserts.

Supporting the team to successfully industrialize their product properly along several lines:

- R code review/reform and Shiny code modularization: code review, Shiny Modules.
- Fixed several major cloud-related bugs: R Shiny-server, AWS deployment, Linux Command line, etc.
- Documentation of changes and coaching of team members on best practices.
- Improved general performance of the leaflet map.
- Review and improvement of the general performance of internal dashboards (integration of the data.table package) and the responsiveness of R Shiny.

**Environment:** R, {Shiny}, {leaflet}, {tidyverse}, {shinyjs}, etc.

**IDE:** RStudio Server, AWS

**UPWORK CLIENT: WASHINGTON UNIVERSITY – USA**

**07/2022 to 10/2022**

### Role

*R Developer*

### Mission description

Supporting an academic team from the University of Washington on the improvement - by adding new functionalities (video annotation) - of an R Wrapper for a JavaScript library: wavesurfer.js initially developed by [author RStudio](#).

- Development of a video annotator for the package: [see functionality](#)
- R package development: HTMLWIDGET, JavaScript
- My GitHub Fork:  
<https://github.com/ahmedjoubest/wavesurfer?organization=ahmedjoubest&organization=ahmedjoubest>
- Client feedback: "Ahmed was great to work with. We had a buggy codebase and needed new features incorporated from a separate (and also buggy) project. Ahmed creatively resolved all the bugs - including some we didn't know existed - and successfully incorporated the necessary features as well. I honestly think there wasn't a more qualified person for this project than Ahmed. He's your guy!!"
- Upwork Profile: <https://www.upwork.com/freelancers/~010c3972c530eb8c6e>

**Environment:** R, HTMLWIDGET, JS

**DECATHLON – BELGIUM**

**06/2021 to 07/2022**



## Role

*Data Scientist / R & R Shiny Developer / SQL Developer*

## Mission description

Apprenticeship contract within the Data team of Decathlon Belgium as Data Scientist and R Shiny developer.

- Development of dozens of dashboards for Decathlon project managers (Giftcard dashboard, Sustainable products analysis, etc.)
- Development of SQL queries to integrate data to R Shiny dashboards.
- Improvement of existing R Shiny dashboards with more relevant reporting and better performance.
- Contribution to forecasting models with the e-commerce team.
- The Hiring competition: [https://ahmedjou.shinyapps.io/Decathlon\\_Sales\\_Analysis/](https://ahmedjou.shinyapps.io/Decathlon_Sales_Analysis/)

**Environment:** R, {Shiny}, {leaflet} {tidyverse}, {highcharter}, AWS Redshift, S3. SQL.

---

## CIMES ASSISTANCE – FRANCE

**07/2020 to 06/2021**

## Role

*Data Analyst / R and R Shiny Developer*

## Mission description

- Development of internal data analysis and visualization tools for managed sites to help them optimize their energy consumption ([IPMVP process](#)).
- AWS EC2 deployment, Web Scraping.

**Environment:** R/ Python, Shiny (HTML, CSS and JS), Highcharts, SaaS EC2.

---

## STRASBOURG CANCER INSTITUTE (ICANS) – FRANCE

**01/2020 to 07/2020**

## Role

*Data Analyst / R Developer*

## Mission description

- Creation of a clinical database in radiotherapy oncology and statistical exploitation.
- Submission of a scientific abstract as lead author for the 31st SFRO Scientific Congress in 2020: <https://www.sciencedirect.com/science/article/abs/pii/S1278321820302225>

**Environment:** R/Python, SAS, ggplot2