

Arkadi Avanesyan

📍 Belgium 📧 aavanesy@outlook.com ☎ +374 41 700 310 🌐 in/arkadiavan/ 🌐 https://aavanesy.github.io

EXPERIENCE

Corporate Trainer

2022 – Present, Remote and On-site

- Conducted over 15+ remote training sessions with participants from various geographical locations.
- Successfully delivered training sessions to high-profile clients including The World Bank and HSBC.
- Worked on multiple international workshops on Data Science and Reporting Automation.

Software Development Consultant – Contract

Longs Peak Advisory Services

April 2019 – Present, US, Remote

- Created and currently maintain a suite of web tools, enabling accurate performance measurement of over 200 mutual funds and hedge funds across the US. The tools automate the generation of GIPS-compliant reports, a critical regulatory requirement.
- Automated the primary reporting process, optimizing the code to minimize human intervention and enhance efficiency. The automated process allowed the company to scale rapidly while maintaining accuracy.
- Constructed a complex backend machine that processes millions of rows of data to compute over 40 financial performance metrics, achieving 100% accuracy. Integrated robust data cleaning and wrangling processes to ensure data integrity and accuracy.

Codementor

codementor.io

January 2019 – Present

- Conducted online training sessions for individuals interested in learning data science, quantitative finance, and cloud solutions, having trained over 800 individuals to date and resulting in a 4.99/5 rating with over 450 public reviews.

Senior Short-Term Consultant – Lead Programmer

The World Bank

January 2022 – May 2022, US, Remote

- Led a team of Excel and R programmers to make an existing complex Excel carbon pricing model accessible to all teams at the World Bank.
- Created an R package to translate Excel formulas to R, an API solution to make the model accessible to all tools, and an R Shiny web interface for a user-friendly experience.
- Reduced the time needed to access and use the model from days to minutes and increased the model's reliability and accuracy by eliminating errors introduced during manual data entry.
- Conducted weekly training sessions over Zoom across different time zones to train teams on how to work independently and add new features.

Head of Business Intelligence

Aigora

April 2021 – July 2022, US, Remote

- Delivered premium work exclusively for Fortune 500 clients, showcasing the ability to meet rigorous standards and deliver customized solutions.
- Implemented a scalable cloud infrastructure enabling efficient production-level codebase deployment and expanding client services.
- Developed complex engineering solutions, such as optimizing code for testing and production phases and improving speed by leveraging Docker container technology.

Data Scientist

Aigora

September 2019 – March 2021, US, Remote

- Developed and implemented R and R Shiny-based solutions to create dashboards and API solutions for clients, enabling them to access and visualize complex data in user-friendly formats.
- Launched API solutions with AWS Lambda for internal use, allowing teams to efficiently run complex models on demand.
- Created modular code and R packages to ensure the scalability of solutions, enabling efficient code reuse and extension for evolving client needs.

Quantitative Developer

Reitsmarket

January 2017 – May 2019, LU, Luxembourg

- Developed investable REITS indices customized for Goldman Sachs and Deutsche Bank.
- Supported the launch of over 10 structured products with a total AUM of more than \$200 million.
- Collaborated with teams to ensure successful product launches and provided ongoing support.

Quantitative Developer

Finvex

January 2014 – December 2016, BE, Brussels

- Development, maintenance, and rebalancing of quantitative proprietary investable indices such as low volatility equity indices, thematic equity indices, multi-factor indices, and dynamic multi-asset allocation indices.
- Solutions primarily commercialized by Société Générale globally in over 60 countries with €1.3B AUM via structured products.

Fund Administrator

BNY Mellon

August 2013 – December 2013, LU, Luxembourg

- Monitored collateral and credit exposure, reconciled OTC and ETD, and produced reports to ensure accurate and timely risk management.

EDUCATION

MSc in Quantitative Finance

Solvay Business School of Economics and Management • BE, Brussels • 2012 • Magna Cum Laude

SKILLS

R & R Shiny, C#, AWS, SQL, Linux, Docker, Bloomberg Terminal
English, French, Dutch, Russian