

# William VIZARD

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## Experience

### 2021-Present **Application Engineer - UK Team lead**, *Optiver*, London, UK

Leading a team of 3 to support the London, Chicago, Austin and New York operations.

- Operations BAU support
  - Detect, fix or triage to other teams any production incident
  - Configure and deploy applications, implement and coordinate changes across the various development and infrastructure teams
  - Ensure coherence and scalability of design choices
- Project work and tooling
  - Identified inconsistencies in underlyings held in various applications, wrote a health target to proactively spot them
  - Designed a new JIRA workflow to handle recurring incidents to avoid duplicate work, spot trends and gather information more efficiently
  - Reviewed and rated the risks run in all areas of the Infra & Dev for Optiver's Risk Committee. Highlighted a major blind spot that has been fixed since
  - Designed a full training for Application Engineers to efficiently onboard new joiners
  - Proposed a new network domain to host applications that are used for Trading but require access to Internet because of connectivity to 3rd parties
  - Suggested and implemented a set of new standards for the growing scope of OTC 3rd-party applications which can't follow the regular requirements of in-house applications
  - Wrote a Python alerter using Prometheus to detect clock sync deviations breaching MiFID thresholds. Set up a workflow to track these breaches with Compliance
- Leading the UK team
  - Organised the team in the UK, adapting Chicago's methods to the London constraints
  - Improved the handover workflow from one shift to another to better catch important changes, dates and socialise interesting incidents
  - Drove the team to be independent, take on more work in cooperation with both London and Chicago developers and hired a 4th UK member

### 2018-2021 **Low latency IT Strategist**, *BNP Paribas, AMM*, London, UK

In charge of supporting the Equities and Fixed Income ETF Low latency automatons.

- Equities ETF Market Making Automaton
  - Reviewing and improving the current setup, scripting new tools to handle and configure the automatons
  - Organizing changes in order to anticipate and avoid disruption on what is a very sensitive and complex environment
  - FPGA and Dolphin clusters configurating
- New Fixed Income perimeter
  - In charge of setting up the new environment and automatons
  - Designing new architecture and tools for the pricing, modelling bonds and ETF compositions
  - Coordinating several teams to ensure all components necessary are made available
  - Providing new Fixed Income traders with support and custom APIs (e.g. to develop a bonds ETF pricer)
- Scripting & Monitoring
  - Writing checks on processes availability, on feeds status, infrastructure (RAM, CPU, IO, CPU affinity etc...)
  - Automatizing files generation used by external processes
  - Generating metrics on usage and consumption in order to improve load-balancing, reduce fees etc...

2011-2017 **Trading Application Support Engineer**, *BNP Paribas, Global Markets*, London, UK

In charge of 4 in-house trading applications on EQD and Commodities side.

- **Main responsible for the ETFs Market Making tool & Index pricing tool** building and configuring multi-kernel automations, monitoring trades and investigating trade, feed or hedge issues. Also supporting the index pricing tool that provides source prices for the ETFs contribution.
- **Main responsible for the Options trading tool** including delta adjusted orders, volatility execution.

2009-2011 **JAVA Developer intern**, *Vision IT Group*, Paris, France, Work/Study program

I worked on Vision IT's Enterprise Resource Planning.

- Development: I was asked to finish its migration from HTML to JAVA. I then continued developing the software according to the sales and the senior management's needs
- Database: I designed a new database architecture to fit a broader scope for the application
- Project management: alongside my development mission, I was sent to take charge of a project whose manager had just left. I had to deal with the client and organize the development team's work to meet very tight deadlines

## Education

2005-2011 **Computer Master's Degree (with honours)**, *Institut Supérieur d'Electronique de Paris*, France

Information Systems section

MPSI/PSI "Classes préparatoires" followed by the ISEP Engineer Cycle

2005 **Scientific Baccalauréat, English European section (with honours)**, *Paul Claudel*, Paris, France

## Languages

French Native

English Native

## Skills

Monitoring, Sysload, DollarU, Univiewer, Finance FIX  
Scheduling Cron

JAVA Java, JEE, JDBC, JBoss OS Windows, **Unix**, Mac

Database **Oracle**, SQL, MySQL, PostGreSQL, CrateDB

Network *CISCO CCNA1 Certification* Scripting **Python**, Shell

Misc High pressure handling, responsiveness, decision making

## Personal Profile

I am an autonomous, proactive and focused team player who has all-round IT knowledge and likes new challenges. I leverage the experience I've built over the years in the world of low-latency trading to anticipate problems, build robust and reliable tooling as well as improve and design sustainable workflows for the team.

I love working with excellence-oriented people and always aim at moving forward together, putting my qualities forward to be as useful and efficient as possible. I'm curious and focused on the long-term goals, which enables me to propose lasting solutions. I also drive my team and help them grow their strengths, explore new avenues they may be interested in or step up in areas for improvement.