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 (trading bots).

○ 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 availibilty, 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 automatons, 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

Skills

Development:	**Python**, **Jupyter**, Bash, Batch, C, Java
Database:	**Oracle**, **PostGreSQL**, SQL, MySQL, CrateDB

Monitoring:	Prometheus, Grafana, Elasticsearch	Scheduling:	Sysload, Cron
Misc:	High pressure handling, responsiveness, decision making	OS:	Windows, **Unix**, Mac

Education

2024 **Cisco Certified Network Associate**, *Cisco*

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

Personal Profile

I am an autonomous and focus team player with a passion for solving complex problems and creating sustainable, efficient solutions. My recent experience as a team lead has honed my ability to guide teams towards success, but I am equally comfortable as an individual contributor.

With my constructive mindset and proactive approach, I thrive in collaborative environments where I can help others grow and succeed. I am committed to excellence and continuous improvement, always looking for ways to bring value to my team and the teams around me. Pragmatic and focused on long-term goals, I always aim to deliver impactful solutions that will drive both personal and organizational success.