



EXPERIENCE

EPAM | First Derivative – Chief Design Engineer

(2025-present)

- Lead Designer for **Bank of America** visualisations across business divisions; developed low-code AI migration tool from (python) Plotly to (q/kdb+) KX Dashboards.
- Lead designer for **IEX Trading** Options Platform.
- Developed in-house client training program for Quants in KX Dashboards; online workshops, integrated Jupyter notebook content, Wiki, chat-support, and help-videos.
- Interviewer for visualisation roles; external hires and in-house promotions.
- Manage bench teams for POC projects.
- Grant preparation, execution, and final reporting (for tax credits).

KX Systems – UI/UX Developer | Technical Writer

(2015-2024)

- User persona driven R&D for cloud database and visualization solutions.
- UX Design and Prototyping for kdb Insights Enterprise, KX Dashboards and kdb Visual Studio Code Extension as part of an Agile development process.
- UX Competitor Analysis: Who's the leader? Why do they lead? What can we learn?
- Usability studies, and post-analysis prioritization for product roadmap.
- Project Management; lead designer, migrating market analysis dashboards from Datawatch to KX Dashboards for **SCB London**.
- KX Dashboard UI designer; built trader activity, blotter, market analysis, trade surveillance, telecommunication, manufacturing, and e-sports dashboards for **Bank of America, IEX Trading, BIVA, CNBV, Chicago Trading Company, Total, Seagate, Red Bull Racing, FEMSA Coca Cola, and CAT**.
- KX Dashboard UI design support: assisted Pre-Sales and POC teams developing dashboard UIs across a broad range of industries
- Trainer in KX Dashboards; content delivery in pdf, video, online and onsite formats.
- Online KX Dashboard education; "KX Contributor of the Quarter" for Q4, 2022. Built out KX Academy Dashboard Training program currently live at KX.com.
- Technical writer; initiated document migration from PDF/Word to code.kx.com.

Activate Clients / Signals - Senior Market Technician | UI Developer

(2007-2015)

- Designed MS Silverlight trading strategy and user marketplace screens for **Gain Capital**
- Content writer; building trading strategies using technical analysis.
- Website development and SEO; Ranked 1st for Stock Alerts in Search.



- Contributed to the development of ChartDNA; using genetic sequencing concepts to identify profitable trading patterns in markets.
- Online Broadcaster covering live trading in FX, U.S. and European Markets.

Fallondpicks – Educator and Market Analyst

- Regular market commentary covering S&P, Nasdaq and Russell 2000 on markets.fallondpicks.com and distributed via **Stocktwits** (58,000 followers), **X** (2,950 followers), **Finviz**, and **LinkedIn**. One of the longest running financial blogs in the world fast approaching 5,000 posts.
- Trained MBA students at TCD in Technical Analysis

Motley Fool / Seeking Alpha – Financial Analyst and Writer

- Financial Research; online content creation using fundamental and technical analysis to identify opportunities in U.S. equities

University of Hawaii – Assistant Researcher

- Managed a laboratory, investigating sustainable methods for the suppression of plant-parasitic nematodes.
- Graduate committee member for 2 Ph.D. and 1 M.Sc. students.
- Raised \$245,000 in grant funding.
- Grant reviewer for USDA National Research Initiative (NRI) and Small Business Innovation Research (SBIR) programs
- 13 Academic Publications.

EDUCATION

B.A. (Mod) Zoology – Trinity College Dublin

Ph.D. in Nematology – National University of Maynooth

CMT Program (passed all 3 levels) – CMT Association

TOOLS

KX Dashboards, VS Code, Copilot, Claude Code, EliteA, Figma, FigJam, Miro, Slack, OBS Studio, VideoPad Editor, MkDocs, Snag-It, Confluence, JIRA, Aha!, Gitlab, GitHub, BitBucket, MS Office. Strong competency in markdown, working knowledge of CSS, HTML, and q/SQL.

FOR FUN & VOLUNTEERING

Baseball & Softball, Squash, Golf, Boardgames. Nature and Sports Photography. Coach and Treasurer – Red Rox Baseball club. Surveyor for National Biodiversity Ireland.