



HARRINGTON STARR
EXCELLENCE THROUGH UNDERSTANDING



THE FINTECH CAPITAL THIRD EDITION

LONDON'S FINTECH LEADERS TALK REGULATION & LEGISLATION, FAST GROWTH, DIGITAL CURRENCY, CTRM, BUY SIDE IMPLEMENTATIONS AND THE FUTURE OF FINTECH

EVEN MORE of the Most Innovative Names In FinTech Speak Out!

[Watson Wheatley](#)	[The Realization Group](#)	[Redline Trading](#)			
[Navoh Partners](#)	[Violin Memory](#)	[Waratek](#)	[BRT](#)	[Frees](#)	[SmartCo](#)
[BT Financial Technology Services](#)	[Xenomorph](#)	[Gmex](#)	[Fincad](#)		
[Microexchanges](#)	[Volante](#)	[Liquity](#)	[AlphaKinetic](#)	[SunGard](#)	
[Code:Red](#)	[Commodities Now](#)	[Cake Solutions](#)	[Cappitech](#)	[Tradeweb](#)	
[SSAAS](#)	[Elix-IRR](#)	[Elliptic](#)	[Sagepay](#)	[Gold-i](#)	[MDX Technology](#)
[Planlogic](#)	[R3Cognition](#)	[Contango](#)	[Hatstand](#)	[Arkk Solutions](#)	



INCLUDING FEATURES FROM TOBY BABB, NADIA EDWARDS-DASHTI,
ELLIOT PARFITT, JAMES HOUNSLOW, TOM KEMP AND ANDREW THOMAS



GLOBAL LEADERS IN FINANCIAL SERVICES AND COMMODITIES TECHNOLOGY RECRUITMENT

DEVOPS – THE NEXT STEP IN THE STRIVE FOR INCREASED QUALITY, ENHANCED CUSTOMER EXPERIENCE AND FASTER TIME TO MARKET

THE FINANCIAL INDUSTRY IS HEAVILY relying on technology for its operations, and its technology spans from using large scale legacy systems, to top-notch front end applications and mobile products. This technological environment is highly complicated and regulated and therefore calls for very high reliability and predictability. In order to adhere to the industry's high quality demands, the technology departments, including Development, Quality Assurance, Architecture, Design, Security and even 3rd party suppliers have already implemented some of the essential tools and processes such as Extreme Programming, Lean, and Agile – DevOps is the next step in this strive for increased quality, enhanced customer experience and faster time to market.

*_Ronen Kertis
President & CEO, Cappitech*

DevOps stands for Development and Operations. It is an approach based on Lean and Agile principles, taking these to the next level, by including not only Development and Quality Assurance in the process, but also Operations, Business and the end-user, and by fostering communication and collaboration between all these stakeholders.

This new approach introduces several principles into the lifecycle of the product. Based on our experience in Cappitech we selected a few that we believe give the most impact:

CONTINUOUS PLANNING – Include all participants of the delivery chain in release planning, and make planning a repeatable process. This principle may be easier said than done, but it is essential for fast delivery in our innovative, changing environment. In our experience, teams that use two week iterations and conduct regular iteration planning meetings that include development and QA as well as the business owners are very successful at short and long term planning.

CONTINUOUS TESTING - It is well known that testing is an essential part of any product – DevOps introduces testing on Production like Systems right from the beginning of testing. It emphasizes the use of automation and automatic tools for testing and includes functional, integration, performance and security testing. Cappitech has very good experience with automating the functional and performance testing done by QA, which allows



_Continued

for reducing testing cycles and regression time. We use both home-grown tools as well as 3rd party tools such as SmartBears' TestComplete. We do not stop at QA automation, but continuously test our code, using TDD (test driven development), NUnit and other means such as FitNesse. To illustrate the benefits that can be gained from automation, in one of our projects for our client, we shortened the regression testing from 3 weeks per each quarterly release to 4 days, a gain not only in effort spent, but also in a much improved time to market.



*_Ronen Kertis
President & CEO, Cappitech*

CONTINUOUS DEPLOYMENT - Also referred to as Continuous Delivery - automating the deployment process allows for faster, repeatable and more reliable deployments that can be used both on Development/QA systems as well as User Acceptance, Staging and Production environments. Although some organizations do not deploy automatically to Production, those that adopt continuous deployment use the same automated processes to deploy software in all environments and see great improvement in efficiency and reduction of risk.

CONTINUOUS INTEGRATION - Allows for multiple development groups working on multiple products in different geographical locations to deliver software in an agile manner, while making sure the code is compatible, testable and deployable. In our view developers should merge their working code into the shared mainline several times a day. Automatic unit tests should run on the integration environment to make sure nothing was broken; and broken code should be fixed immediately, before continuing with other work.

CONTINUOUS MONITORING - In order to achieve all the above goals, organizations need to measure progress and feedback coming from all monitoring solutions. Quality metrics should be captured and analyzed whenever an application is deployed and tested. These metrics should be captured in a way that all stakeholders can view and understand and later be able to use these insights and incorporate the necessary changes to the product on an ongoing basis.

CONTINUOUS IMPROVEMENT - Adopting a new approach or process is ever evolving and changing, thus, continuous improvement is essential. Organizations should incorporate Inspect and Adapt rituals which are designed to drive the process forward. At Cappitech, we foster open communication and collaboration between all stakeholders in the Agile team. We hold Iteration Planning meetings at the start of each iteration in order to set expectations. We hold retrospective meetings at the end of each iteration. In these meetings everyone can talk and express their opinion, hurdles are discussed and solved, actions items are taken and the path forward is set.

In summary, Devops is not only about the Operations team; it is a culture that spans people, processes and technology. It's about people communicating and collaborating to achieve better and more efficient processes across their organization. It takes well established technological and agile practices and suggests ways of making these infiltrate even more of the organization's systems, products and people. It's ever evolving and continuously adapts to the changing needs and demands of its clients. Our experience shows that this new approach is here to stay, and we are striving to incorporate it in all our projects. If you have any questions or would like to consult, we would be very happy to do so.

