



Georgios Voulgarakis

Senior Software Engineer

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Highlights

- Cloud native experience @Microsoft Teams.
- Financial experience @UBS as FX Derivatives Pricing & Execution Software Engineer.
- Experience in science @CERN, in greenfield project through all software development lifecycles.
- Open-source projects:
 - [spring-boot-quickfixj](#)
 - [spring-cloud-stream-binder-jms](#)

Academia



Aristotle University of Thessaloniki

Diploma Electrical & Computer Engineering



Hellenic Open University

Masters Data Science & Machine Learning

Languages



Misc



Piloting: JAR -PPL

Professional Experience



Present

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9/2021

Senior Software Engineer

- Own design, development, enhancement, and operations of mission critical services to ensure high availability, scalability, and resiliency.
- Design and build reusable libraries and advocate best practices to be used across services.
- Effectively mitigate and debug issues found during livesite operations, troubleshoot performance bottlenecks, and implement top notch monitoring, dashboards, and TSGs for services.



8/2021

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12/2020

Architect & Lead Software Engineer

- Mission Statement: Deliver a solution that enables Wealth-Management client advisors to capture & manage pricing discounts. The solution includes Revenue simulations, Key-Performance-Indicator dashboards, opportunity identifications. Rule based & automated approval & review process allows for higher operational efficiency for client advisors and approvers. Modern practices and technology stack supports maintainability and extendibility for future business requirements.
- Designed and developed a cloud-native, API-first, secure, microservice based solution deployed on Pivotal Cloud Foundry, using Spring Boot, Spring Cloud, OAuth2 and Client-Identifying-Data Protection mechanism, REST, messaging, cloud-contracts.



11/2020

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6/2018

FX Derivatives Software Engineer

- Development lead & maintenance of FIX Trading API, a third-party trading client endpoint for trading using FIX protocol; integration with backend infrastructure.
- Development & maintenance of DPnE; backend system for Derivatives Pricing and Execution. Market Data & Booking request handling, execution, storage.
- Microservice decomposition of existing monolithic stack; migration to modern, lean and efficient tech stack, enabling rapid integration with UBS internal trading and reporting systems.



3/2018

4/2015

Backend Control Systems & Automations Engineer

- Design & development of Inspector-Services framework, to allow for rapid design of operator user interfaces (frontend), while also providing rapid, flexible, centralized implementation & real-time execution of algorithms, along with analyzing, processing & logging utilities (backend).
- Design & implementation -using Inspector-Services- of Autopilot, a collection of real-time algorithms aiming to automatically optimize the operation of Linac4 H- Ion Source, derive performance indicators, identify & recover component failures.



9/2014

4/2014

Embedded & Real-Time Car 2 Car Developer

- Implementation of Static Vehicle & Emergency Braking Warning Models, through Car2Car communication.



11/2013

10/2012

Beam Position Monitor Simulator Developer

- Analysis & modeling of Beam Position Monitors, design & development of a Simulator, to be used in the CERN accelerator schools.