

RESUME SUMMARY

DEVIRIM AKSAKAL

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CURRENT SKILLS

- Kotlin, KTOR, Clojure, Java.
- Functional System Design and Development, Domain Driven Design, Model Driven Design, CQRS, Event Sourcing.
- MicroServices Architecture, Reactive System Design (Responsive, Resilient, Elastic)
- Docker, Fabric8/RHT Fuse, Google Kubernetes, Vagrant, Spring, Camel.
- Axon, Vert.x, LMAX, OpenHFT/Chronicle.
- Linear/Constraint Programming (CP-LP), CPLEX.
- Design Patterns: [GoF], [EIP], [EAP], [Reactor; Demultiplexor-Multiplexor], Message Oriented Integration Patterns.

EXPERIENCE

- Led small size agile team (6+) to research and develop propriety products for Global Debt & Equity markets.
- Design and Developed “Reactive” server and client-side services
- Designed, developed and coded bond origination/issuance process (pre-syndication). based on MicroServices architecture that utilizes Kotlin/Ktor, Clojure, Java-Vertx, React/Redux, event sourcing, Model Driven Development, CQRS, Docker, Kubernetes, OpenShift, Design Patterns [GoF], Hudson/Jenkins continuous build & deploy.
- Performed technical and solution architect duties to provide technical solutions for complex business problems, major integration problems as well as major IT asset consolidation programs/projects to achieve direct revenue impact, cost reduction and operational efficiency.
- Performed scrum meetings and code, architectural & technology review sessions to ensure delivery quality, system stability and provided technical solutions that are in line with Firm’s, domain’s and application’s technology roadmap.
- Designed, developed and coded Risk Monitoring System for CF Sales&Trading utilizing; Java based server side MicroServices architecture that utilizes Java, event sourcing, Model Driven Development, CQRS, Spring, Apache Camel, IBM CPLEX (Symplex Optimizer), LMAX, Docker, Chronicle, Vert.x, Oracle, Rule Engine (custom), Design Patterns [GoF], Hudson/Jenkins continuous build & deploy.
- Delivered an application modernization program for transitioning a monolithic compliance application to a modern micro service architecture utilizing Domain Driven Design. This resulted in the first containerized DevOps deployment within the bank.
- Led reengineering projects to decommission Tibco BE/BW/Iprocess based server components, replaced by “Low Latency”, Java based server side MicroServices architecture that utilizes Java, event sourcing, Model Driven Development, CQRS, Spring, Apache Camel, IBM CPLEX (Symplex Optimizer), LMAX, Docker, Chronicle, Vert.x, Oracle, Rule Engine (custom), Design Patterns [GoF], Hudson/Jenkins continuous

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build & deploy.

- Led Regulatory and Compliance projects to deliver on requirements such as WpHG, EMIR Legal docs, MaComp and others.
- Designed, developed and coded automation system for Repackaging/Structured Finance business. Utilizing Jetty, Apache Camel, Java, Spring, REST, Design Patterns [GoF], Hudson/Jenkins continuous build & deploy.
- Lead reengineering projects to improve system stability, scalability, performance and redundancy by moving to component based scalable, redundant architecture leveraging, Jetty, Apache Camel, Java, Spring, REST, Design Patterns [GoF], Hudson/Jenkins continuous build & deploy.
- Designed, developed and coded near real-time “High Throughput” Trade Capture Systems for Prime Broker business. Utilizing Java, J2EE, EJB, MDB, JMS, SQL, Spring Framework, SWIFT, Tibco RV, Tibco EMS, Sybase, "Pipes and Filters" architectural pattern by using JMS Queues, Engine (Plug-in) Frameworks, Rule Engines, Thread Managers & Pools and Dynamic Content Based Routers.
- Delivered DB’s TOP 20 Programs and TOP 100 Projects/Products
- Managed Global Hybrid teams composed of FTEs, Externals and Vendors.
- Performed technical and solution architect duties to provide technical solutions for complex business problems, major integration problems as well as major IT asset consolidation programs/projects to achieve direct revenue impact, cost reduction and operational efficiency.

EDUCATION

Pace University Graduate School of Computer Science and Information Systems

Master of Science in Computer Science GPA: 3.61

New York, NY

Baruch College -City University of New York

Certificate in Computer Programming

New York, NY

Hacettepe University - School Of Engineering

Bachelor of Science in Mining Engineering

Turkey