Arnon Rotem-Gal-Oz

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Chief Data Officer   **2015-2016**
AppsFlyer

- Redesigned and rebuilt Appsflyer's data architecture around "schema-on-read" enabling enahanced flexeibility and accesabillty to data.
- Enabled major analytics advancements and new, innovative product capabilites – both descriptive (like Retention, cohort, Activity) and predictive (like fraud prevention, LTV, engagement)
- Wrote security and privacy guidelines and implement them company-wide
- Supported sales efforts, support efforts and partner development – by working with client executives and aiding answering RFPs
- Evaluated and implemented solutions to solve scaling issues around real time analytics (Mesos, Kafka, Spark, Druid, RedShift, Google BigQuery)
- Lead and build Appsflyer's analytic capabilities from classic BI, real-time analytics and advanced analytics
- Recruited the data team (team leader, data scientists and data engineers)
- Designed and built the foundation for customer journey analytics

Director of Technology Research   **2013-2015**
Amdocs

- Acted at CTO for the big data and strategic innovation unit.
- Led a group of researches on topics related to NFV, Big data, Streaming and machine learning. 5 organic people including architects and data scientists and laising with external development teams using Scala, Python and R
- Identified new technology trends that impact company products & processes. Researched and developed roadmaps for new and emerging solutions.
- Performed technology due diligence for M&A efforts
- Designed Amdoc's real-time big data solution for usage data (CDRs) building using Hadoop, HBase & GemFire in-memory grid
- Set the vision and foundation designs for Amdocs' big data analytics platform building on Hadoop, Spark, Pig, Kafka and related technologies
- Solved problems for development groups across the organization from bug hunting to redesigning faulty solutions.
- Worked with customers to present Amdocs' technical vision.

Director of Software Architecture   **2011-2012**
Nice Systems

- Led the design of Nice's big-data analytics SaaS platform which sold for 15M$ for its first installation.
- Defined the technical vision and contributed to technical & strategic direction, development and growth.
- Delivered a 100 fold improvement in interaction processing.
- Transformed the organization to a new technlogy stack
  - Introduction of Java to a .NET organization
  - Hadoop, HBase, Solr, Mule, iLog, Vertica, Cognos , jQuery, HTML5,

Liferay, GigaSpaces

- Managed the architecture team (**7 architects**) across development sites (Israel & US). Liaised with internal and external interfaces including product management, customers and development teams.
- Provided technology leadership for a large body of developers (**50 developers**). Designed solutions; reviewed designes and code; mentored developers and solved production problems
- Evaluated and recomended companies and technologies for adoption and acquisitions (M&A).

VP R&D   **2010-2010**
CodeValue

- Delivered a SaaS solution for cloud cost monitoring (Microsoft Azure, Amazon AWS) – deployed on Microsoft Azure cloud
- Delivered a product from idea to running beta in less than a quarter
- Managed geographically dispersed development (**12 developers**) using agile methodology (Kanban)
- Provided cloud migration guidance for multiple companies in forex, telecom, internet video streaming verticals.
- Consulted and designed the architecture for Israeli Air Forces on a big-data analytics and stream processing system.

VP R&D   **2007-2010**
xsights (A Rafael daughter company)

- Managed organic teams (**12 people**) and external contractors (5 different projects including mobile clients, RTP ingestion & corporate web site)
- Built a solution from idea to production. Delivered a working alpha in 6 months and moved to production less than 6 months afterwards
- Built and supported a multi-tenant SaaS solution (.NET, Python and Ruby).
- Worked with and supported customers in US and Europe.
- Built a solution that included big-data backend (based on Apache Casandra), multiple mobile clients (Android, IOS, Blackberry and others) as well as machine vision algorithms (C++ and Matlab).
- Defined and implemented agile and lean software development life cycle standards (including SCRUM and Kanban)

Biometrics Line Development Manager   **2005–2007**
Rafael

- Delivered high quality working software on-time, on budget
- Managed a total of 5 teams (**25 developers**) including the biometric lab, 3 different products, algorithms and testing
- Raised 500K$ funding from the chief scientist office
- Introduced Agile processes (Scrum) into a CMMI/ISO90003 organization.
- Designed and architected an open & scalable biometrics platform.
- Supported and worked with multiple customers including a 30M$ project for a foreign country's border control system.

Software Architect   **2004–2005**
Microsoft

- Consulted large enterprises on large scale projects (e.g. Leumi Bank, Ministry of Justice, Matrix, Elbit systems, IDF).
- Designed & Reviewed software architecture, designs and code .
- Helped clients transition to agile development life-cycle.
- Solved performance & scalability problems.

Principal System Architect		**2001–2004**
Rafael		

- Architected and oversaw the design and development of a very large (500+ man year) software project.
- Technical management and leadership of large software development group (more than **60 developers**)
- Built the project's requirements (use cases), development and cost plans.

Project Leader   **1999-2001**
Amdocs

- Managed a mid-sized development team – totaling more than **20 developers**, spread over three locations (Israel & Canada).
- Analyzed customer requirements and wrote development plans, specs, high level designs for IP billing system.

Director of R&D   **1997-1999**
Business intelligence Solutions.

- Managed the development team (**11 developers**) in a fast-paced, technically demanding environment.
- Analyzed, architected, designed and managed the development of an innovative (ROLAP based) business intelligence solution.

Military Service

Developer   **1992-1995**
8200

- Participated in the development of a classified, 24/7, database driven, UNIX (HP-UX) based system.

Education

2007	MSc Information Technology, Clark University, Tel-Aviv
2004	BA in Computer Science, Open University, Tel-Aviv

Articles, Publications and Whitepapers

2006-2010	Architecture & Design blog @ Dr. Dobb's Portal
2007-2008	SOA Editor for InfoQ
2012	Published SOA Patterns book

Published various articles in MSDN, Dr. Dobb's, InfoQ, IASA journal and others:
http://arnon.me/presentations-papers-articles/ & http://www.slideshare.net/arnonrgo

Technologies and practices summary

Project management	Rational Unified Process (RUP), Scrum, **Kanban**
Languages	Java, **Scala**, **Clojure**, C#, C, Ruby, Python, Objective-C, Javascript
Data technologies	**Amazon RedShift**, **Google BigQuery**, Oracle, MS SQL Server, **Postgres**, DB2, **Hadoop**, **Spark**, Yarn, Pig, **HBase**, **Hive**, Cassandra, MySQL, Vertica, SAP HANA, **Kafka**, RabbitMQ, ActiveMQ, Flink, Oracle Coherence, Gemfire, Gigaspaces, Solr, **Zookeeper, Mesos, Druid**
Cloud & Virtualization	**AWS (Amazon)**, **Azure**, **Heroku**, **VMWare**, **Docker**
Development tools	**Continuous integration,** Git, **mercurial**, SVN, Jira, **Maven**, **Jenkins**, chef, foreman etc.

*Most recent technologies (last 2 years) are in bold