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amdocs

Director of Technology Research
Amdocs

2013-today

- Lead 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, Java, Python and R
- Identify new technology trends that impact company products & processes. Research and develop roadmaps for new and emerging.
- Perform 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 of Amdocs' [big data analytics platform](#) building on Hadoop, Spark, Pig, Kafka and related technologies
- Solve problems for development groups across the organization from pinpointing bugs and configuration problems to redesigning faulty solutions.
- Work with customers to present Amdocs' technical vision.

NICE

Director of Architecture
Nice Systems

2011-2012

- 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.
- Transitioned the organization to new technologies and systems
 - Introduction of Java to a .NET organization
 - Hadoop, HBase, , Solr, Mule, iLog, Vertica, Cognos , jQuery, HTML5, Liferay
- 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+) by working on designs, running code reviews, mentorship and problem solving (from solving elusive bugs to pinppinting production issues)
- Evaluated and recomended companies and technologies for adoption and acquisitions (M&A).

 CodeValue

VP R&D & Senior consultant
CodeValue

2010-2010

- 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 devs) 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 information 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 operation using .NET, Python and Ruby.
- Worked with and supported customers in US and Europe.
- Built a solution that included big-data backend (based on Apache Cassandra), 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
- Orchestrated five project teams of in-house and outsourced developers and testers.
- Managed a total of 5 teams (25 people) including the biometric lab, 3 products algorithms and testing
- Raised 500K\$ funding from the chief scientist office
- Introduced Agile processes 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

- Worked with large enterprises on large scale projects (e.g. Leumi Bank, Ministry of Justice, Matrix, Elbit systems, IDF).
- Designed, Reviews and communicated software architectures for web-based and desktop based projects.
- Provided guidance on software development methodologies, technologies and other development related guidelines (e.g. moving from development to production)
- Reviewed designs and source code, including pin-pointing and solving performance, scalability and other bottlenecks.



Lead System Architect

2001-2004

Rafael

- Architected and oversaw the design and development of a very large software project.
- Played an instrumental part in the technical management team of a multi-disciplinary mega-project (500+ man-years).
- Technical management and leadership of large software development group (more than 60 developers)

amdocs

- Designed the project's hardware and software architecture.
- Built the project's requirements (use case) model, project plans and cost estimates.

Project Leader
Amdocs

1999-2001

- 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.
- Created detailed level designs for several systems such as a web based IP billing system.

BIS

Director of R&D
Business Intelligence Solutions.

1997-1999

- 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 – comprised of a distributed n-tier system, working against multiple database back-ends.



Military Service

Developer
8200

1992-1995

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

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>