**HARV D. LOTKO**

Lotkoh1@gmail.com

(C): (917) 378-4352

***Solutions/Data Architecture – Product Manager- Analysis***

High-performance architect with extensive history of successful delivery of global projects in the Securities industry and Fortune 500. Extensive knowledge of emerging technologies, Data Lakes, Warehouses and Databases with very large (Peta) implementations. Experience embraces a strong technical background, requirements analysis, data analysis, cross reference data, system integration, reporting and project co-ordination. Strong in golden source and reference data systems with a varied background in reporting both client and product performance metrics. Strengths include:

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| * Phased approach * OLAP/OLTP * Technical Analysis | | | * SSIS ETL * Informatica/SSIS * Test Driven Dev | * Informatica ETL * Presentation Skills * Kimball Star/Snowflake | * Risk Assessment * Workflow Design * SW Portfolio Mgt | | |
| * Design Requirements | | | * Report Design | * Oral Communication | * User Experience | | |
| * Release Coordination | | | * Business Case | * SDLC Waterfall/ Agile | * Team Building | | |
| * Tactical vs. Strategic * Logical/Physical | | | * Data Analysis * SAP BI | * Quality Assurance * COGNOS | * LOANET * Staff Training | | |
| * Documentation * ITIL/Jira * Oracle AIM * Predictive Analytics * AWS * IOT Security | | | * Documentation * Java * SDLC * Data Mining * AZURE * Data Models | * Documentum * UAT coordination * SCRUM * TOGA ADM * Hadoop Structure * ,NET | * UAT Design * Agile * ASP * Governance * Big Data * Cloud | | |
|  | *Highlighted Career Achievements* | | | |  |

* Product Development of Financial Services, Blockchain, Artificial Intelligence, Machine Learning, Media products.
* Capital Planning for BASEL/DFAST/CCAR/OCC Architecture/Reporting 9 Quarter Stress Projection for Investment Banking. Source to target reconciliation and
* Broker Dealer Architecture/Reporting Call Reporting Y-9C for Investment Banking (LOANET/MUREX/DTCC Reconciliation, SUNGARD ALDOP risk processing)
* Managed from Source to target with concept to implementation of a new Oracle 12c environment with 3rd normal form and snowflake schema with focus on mid-office and back office systems. From concept, modeling, POC to final state in an agile manner.
* Oversaw entire Oracle Applications environment (ERP, EBS, and CRM), Remedy Trouble Ticketing and provisioning systems, Concord Web metrics system reporting directly to the CIO. Managed all aspects of technology integration.
* Installed, configured and implemented Oracle Applications EBS with E-Business, CRM, Procurement, Order Entry, Projects, HRMS and Financials.

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|  | *Professional Experience* |  |

**Broadridge Jul 2021 – Present**

**Revport Billing Product Manager/Solution Architect**

Managed staff and product development for top tier Financial Services clients. Product is extremely configurable and complex which necessitates a customized framework for each client. Provide Produc Development and Solution Architecture services for multiple Investment Banking/Wealth Management, Insurance clients with a variety of products and environments. Focus is on Revport Billing, Reference Data (BIMS) and system integration. Workstreams. Projects include all mark to market valuations, OTC and internal clearing, currency triangulation and settlement through standard swift, vostro nostro transactions, Fedwire, ACH, and a variety of tiered and threshold payments based on client profiles. Migrating Mainframe DB2, VSAM, ISAM and Distributed systems to multiple targe configurations including Oracle, SQL Server, to AWS, Big Data, Data Lake environments. Agile development Environment using JIRA.

**Quentasia Studios Dec 2019 – Present**

**CTO / Product Manager**

Entrepreneurial startup studio focusing on diversity, inclusion and LGBTQ++ audience. We are building a community of like minded people providing an alternative to mainstream studio material. We are a real studio with union employees such as actors (SAG), writers etc. We have a television prequel “The Null Hypothesis”, several shorts with famous actors (Lee Gosset Jr) and other focused shorts such as HAN. We deliver on Amazon Prime, Youtube, Vimeo and others. We also bring the community together for Podcasts (~2 dozen thus far) which focus on community collaboration and making a difference in the world. As CTO I am building out the AWS environment with a Studio scalable environment for pre/post production facilities. Technologies include Adobe Creative Suite, DynamoDB, blockchain and multiple integrations for SVOD and TVOD with a global ecommerce sales fulfilment system.

**American Express Jun 2020 – Jun 2021**

**Solution Architect**

Provide Solution Architecture for Global Software Services. Responsible for visionary technologies combing Big Data, Data Lakes in a corporate repository for analytics, integration, data profiling and future forecast progressions. Systems are both business and client facing with broad integration requirements for payments, financial transfers, Covid19 tracking and a myriad of environments from almost every major vendor I’ve ever used. Azure, AWS, Oracle, Salesforce Cloud environments. Global architecture with multiple currencies and a variety of custom options. Migration from legacy to a wide variety of new architectures. Integrating a variety of products from ServiceNow, Oracle, IBM and Salesforce. Lead Return to Office (RTO) for technology team integrating a Service Now UI with calls through Middleware tracing and tracking through to IBM Tririga reservation system. Lead Contracts evaluation RFP process culminating in the selection of Salesforce Conga. Currently engaged in provisioning Salesforce Conga and migration from Ariba system for a global eommerce solution.. Provide guidance and mentoring for junior staff while remaining hands on. Oracle,SQLServer,Jira,Rally and many other technologies. Agile development environment utilizing JIRA and Rally

**Broadridge Mar 2019 – Dec 2019**

**Solution Architect**

Provided Solution Architecture services for joint venture UBS/Broadridge project Unicorn/Wealth Management Americas Program (WMAP) on Billing (Revport), Performance Monitoring (Aspire), and Reference Data (BIMS) Workstreams. Migration to Broadridge includes all mark to market valuations, OTC and internal clearing, currency triangulation and settlement through standard swift, vostro nostro transactions, Fedwire, ACH, and a variety of tiered and threshold payments based on wealth profiles. Migrating Mainframe DB2, VSAM, ISAM and Distributed systems Oracle Database files to AWS Big Data, Data Lake for integration and future forecast progressions. Target state will initially be SQL Server on AWS with Aurora implementation TBD. Using Glue and Athena for data profiling, Rabbit MQ and Kafka for messaging. Informatica ETL was utilized to convert EBCDIC to ASCII file structures. I am the go to person for data migration, architecture and analysis and am frequently consulted by members of other workstreams (39 total). Lead the Architectural review board, with my recommendations on TOGAF approach. Governance was structured with daily review meetings which utilized SCRUM methodology and JIRA Agile approach. and structure. This was my first Wealth Management engagement and I have continued to build on both my business and technical skills. Project is migrating and converting legacy UBS systems to an AWS Broadridge WEB environment. All UBS derivative, equity, FX, bonds, a multiple of investment systems are part of migration to AWS. Agile development environment utilizing JIRA.

**Augmate Oct 2017 – Feb 2019**

**Product Manager/Solution Architect/Chief Data Officer**

Provided Product and Solution Architecture services for planning, direction of Product over Amazon AWS cloud with exploration into GCP and Azure. Instituted Zachman Architecture process. development teams for all product requirements, security, fallback and redundancy. Product feature development, capital planning and overall business strategy. Platform featured API toolsets (Apigee, Mulesoft, Glue etc.) with multiple Blockchain technologies (Hyperledger Fabric, IOTA and RCHAIN). Client business applications integrated with secure IOT devices. Software developed with Microservices and leverages Artificial Intelligence and Machine Learning as well as existing hierarchy of rules for Blockchain and client specific paradigms. Google analytics for marketing strategy. Chief Data Officer for GDPR. API toolset integrated with multiple Blockchain technologies (Hyperledger Fabric, IOTA and RCHAIN). Nodejs utilized microservices in a modular manner. Utilized Athena, Glue, Jenkins, Angular, React, Docker, and a myriad of technologies with automated debiting in an ecommerce environment. Agile development utilizing JIRA.

**Capital One (Consultant) Apr 2017 – Sep 2017**

**Oracle OFSAA/Data Warehouse build for OPS/Finance/Risk/Regulatory**

Migrated/converted legacy Capital One Regulatory Systems to Oracle OFSAA. Source to target of Private Bank, Credit Cards, Murex, Loan and all Global systems. FFEIC 031 and Y9C Schedule feeds to Lombard reporting utilizing VersionOne Agile development Heavily involved for Architecture of AWS environment. Environment utilized AWS with Athena, Glue, Tableau and Informatica. Agile development environment utilizing Version 1.

**Allied World (Consultant) Sep 2016 – Apr 2017**

**Mulesoft/Solution Architect** Allied World assignment to integrate Oracle ERP Cloud applications with disparate systems through AZURE Cloud. Utilized BI Publisher, Fusion, Mongo db and Mulesoft to architect, develop and deploy solutions. Provided training, support, integration services and guidance for on demand Cloud ORACLE HCM and AZURE Architect.

**Augmate Nov 2015 – Sep 2016**

**Product Development/Solution Architect**

Provide Solution Architecture services for planning, direction of Enterprise IOT devices over Amazon AWS cloud. Instituted Zachman Architecture process, MDM of source to target, weekly change control structure. Managed Product and development teams for all product requirements, security, fallback and redundancy. Product feature development, capital planning and overall business strategy. Platform featured API toolsets (Apigee, Mulesoft, Glue etc.) with multiple Blockchain technologies (Hyperledger Fabric, IOTA and RCHAIN). Client business applications integrated with secure IOT devices. Nodejs microservices developed in a modular manner. Technologies included Athena, Jenkins, Angular, React, Docker, and a myriad of technologies.

**Citi Bank (Consultant) Apr 2015 – Oct 2015**

**Capital Planning CCAR/DFAST Data Architect Regulatory Auditor**

Technical Data Architect Analysis for Regulatory (Planning, exposure, forecasting, MRA/MRIA FED/OCC remediation planet.) Met with Chief Risk Officer, C level executives, Business and Technical leaders to critique and recommend improvements to both business process and technical process environments. Focus was audit of End-to-End data architecture/analysis for entire global operations which are input to Basel, DFAST and CCAR reporting/ projections and overall reporting/exposure/forecasting. Analysis of source to target transparency and aggregation process, data governance, reconciliation and adjustment process. Source to target review, analysis and recommend architecture for both the Investment Bank and Commercial Bank. Foreign exchange triangulation, reference data, mark to market, settlement systems for both OTC and internal settlement using swift, ACH, Fedwire were validated and reconciled as part of audit. Validation included development of SQL scripts in SQLSERVER and Oracle.

**Commerzbank (Consultant) Jun 2014 – Dec 2014**

**Broker/Dealer Analysis/Data Warehouse build for OPS/Finance/Risk/Regulatory**

Business and technical analysis for the migration, conversion and reconciliation of all Broker Dealer Front Office )MUREX, LOANET,,DTCC and ALDOP processing), Comerzbank had purchase Dresdner bank Loanet and Murex systems and did not have transparency from either a business or IT perspective of these system. Built data models which detailed full architecture model from both an IT and Business Process perspective. Financial transparency included Swift, Fedwire, ACH transfers as well a foreign currency triangulation. I worked with staff at all levels to document and, and recommend approaches for integration with core Commerzbank systems and business processes. Mid Office and Back Office system. SCRUM manager over business and technical areas. Detailed project plan, Business Requirements Document (BRD), Functional Requirements Document, Technical Requirements Document. Source to target mapping (Informatics) of all data elements for 3rd normal form, star schema and reporting in both Oracle and SQL Server data stores. Reporting is OBIEE Oracle, Business Objects and SQL Server. Business source to target to support finance, operations, risk and regulatory including Y9c reporting with mapping of revenue, expenses. RWA. Balance sheet and Off Balance Sheet items. Data elements included MDRM’s for Y9C (call reports) and Data warehouse with RFI, RFS, Liquidity Coverage ratios, Risk indices’ and regulatory capital projections. Immediate benefits included efficiencies in Credit risk Processing of ALDOP processing as well as regression data stores and profiling of Var and stressed Vary with some Monte Carlo metrics and historical evaluation and projection. ASP, .NET, SQLServer and Java Oracle prototype and POC scripts.

**Deutsche Bank (Consultant) Dec 2013 – Mar 2014**

**Comprehensive Capital Analysis and Review (CCAR)**

Business Analysis and Data Analysis for the migration, conversion and reconciliation of Loan IQ (LS2) feeds for Federal Reserve Call Reports (FR Y-9C) and Comprehensive Capital Analysis and Review (CCAR). Track flow and reconcile all FX, Equity and derivative systems. Detailed project plan, Business Requirements Document (BRD), Functional Requirements Document, Technical Requirements Document. Source to target mapping of LIQ source to Micro Data Reference Manual (MDRM) data elements. Business source to target to support finance, operations, risk and regulatory including FRY-9 reporting with mapping of revenue, expenses. RWA. Balance sheet and Off Balance Sheet items.

## Royal Bank of Scotland (Consultant) Apr 2012 – Nov 2013

## Business Analysis, BRD, Functional Requirements, developed scenario tests, performed SIT, UAT, and implemented ICE credit derivative, Global FX, MUREX, Loanet, Wall Street Systems feeds for Finance, Risk (Basel 3, RWA, VAR) and operations systems from a legacy OST environment to a new Oracle 12c environment with focus on mid-office and back office systems. Lead ABN AMRO acquisition which included set up of new Oracle ERP ORG, new BIC with all Swift, Fedwire and ACH processing including foreign currency triangulation, settlement and all reference data migration. Was the sole Zachman Architecture IT resource for North America and ensured that all US artifacts were represented and addressed in the global architecture, Author of Functional Specifications and Technical Specifications for implementation of new Operational, Finance and Risk reporting gap analysis (legacy to new Oracle 12c environment). Worked closely with business unit controllers (BUC) to identify and write technical specifications for data structures and ETL Architecture for HADOOP and Data Mining Designed, built, supported and trained on Data Warehouse projects (Oracle, Sybase, SQL Server) for both operational data store and Kimball reporting Star/Snowflake structures. SharePoint Document Management. Reporting was Tableau, Business Objects, OBIEE and Essbase.

**Care One – Senior Architect/Director of IT Aug 2011 – Mar 2012**

Architect conceptual, logical and physical database design, and implemented SQL Server SSIS source to target for business intelligence reporting (SAS, Business Objects, and Oracle Reports) including, patient census, financial position, and per diem, part time full time employee staffing mix forecasting. Upgraded ERP Oracle 9i Database to Oracle RAC 11g with a replicated SQL Server Node. SOA architect from EMR, Pharmaceutical and vendor integration for both operational data store and reporting Star/Snowflake structures. Hands on with system integration of ASP .NET SQLServer and Java Oracle environments. Predictive analytics, KPI’s and drilldowns with Xcelsius published WEB reporting. Systems supported multiple tapouts for ecommerce such as McKesson and various HL7 EMR information.

**Hudson River Group – Senior Architect/Manager Nov 2010 – July 2011**

Provide design/solutions architecture for Marketing Mix Modeling data warehouse including Client Raw data feeds, Industry feeds, modeling and BI Client tool delivery in SQL Server, SPSS, JAVA, Microsoft and custom BI/Tools. ETL utilized was SSIS. Sole IT resource for developing market leadership in WEB Analytics, regression correlation and forecasting including predictive analytics. Provide IT leadership and strategic vision in a phased tactical implementation approach. Initiated, planned and deployed ASP .NET SQLServer solution. Predictive analytics, KPI’s and drilldowns with Xcelsius published WEB reporting.

**Emblem Health – Senior Architect/Manager Dec 2006 – Nov 2010**

Lead Information architecture in a near real-time, Enterprise Data Warehouse which integrated CRM, claim, OLTP and call data for telephone call center. (Siebel 8 CRM with integration points to ODS layer of Data Warehouse and telephone system). Architected/built deployed source to target golden sources to end target state complete with MDM and data governance. Developed Meta data layer with data dictionary for Cognos Catalog and Business Objects Universe. Architected both logical and physical models with ERWIN including DDL for instantiation of structures. Instituted Architectural Review Board, Data Governance and ensured that all HL7, HIPA, SOX and regulatory requirements were satisfied. Deployed access to DW thru a myriad of tools – Business Objects XIR2, Cognos 8.4, SAS, Microstrategy and others. Designed data and solutions architectural services for Healthcare DW/BI from Project Charter, physical and logical models and JAD’s utilizing both waterfall and agile methodologies. Incorporated Industry standard sources (WebMD, Ingenix, Medstat) for Big data profiling. KPI’s, Predictive analytics and data mining. Document Management utilizing SharePoint. ETL was utilized with Informatica (GHI legacy) and Data Stage (HIP legacy) and moved to a new Informatica environment. ITIL and SOX compliance for Healthcare governance.

**Parsons Brinckerhoff – Director of IT/Architect Aug 2002 – Dec 2006**

Developed, negotiated, selected and implemented strategy to move approximately 20% of the company to new reporting systems, allowing business to meet strategic diversification objective of revenue streams without cost.

Implemented cutting edge hybrid XML database design under NDA with Microsoft with a pre-release of MOSS (SharePoint 7) to integrate MS Projects with Oracle Projects in all systems including OLTP, OLAP, Data Warehouse, data marts and reporting environments with KPI’s and drilldowns. SQL Server, Business Objects and Discoverer. Prototyped OWB. Built/directed team of 30+ employees and 24 consultants to develop, manage and operate initiatives. Acquired 50+ companies in my tenure - responsible for due diligence, IT analysis/config and integration document sharing in SharePoint. Worked with Oracle Architects on numerous modules for Oracle EBS Release 12. Agile development utilizing Oracle Projects. Completely integrated (4 way match) of ecommerce system for Tapouts utilizing multiple procurement systems.

**Globix Corporation – Senior Architect/Manager Aug 2000 – Dec 2001**

Manager of the entire Oracle Applications 11.3 environment (ERP, EBS, and CRM). Remedy Trouble Ticketing and provisioning systems, Concord Web metrics system reporting directly to the CIO. Managed all aspects of technology integration. SOA architecture development which unified the Oracle modules, Remedy provisioning system and Concord monitoring systems with WSDL restful l state with LDAP integration and Microsoft ADS. Upon hire in HR, building access cards, VLan assignment, disk storage, logons and associated workflow provisioned. Utilized numerous tools (Quest, Veritas, Extreme programming Techniques, Team Building) to maximize the rate and quantity of deliverables while at the same time maximizing quality. Leveraged data marts driven from both the Oracle AP and remedy provisioning system which provided line item detail for Telco tariffs payments, resulting in a savings of over $1.4M per annum. Agile development utilizing JIRA.

**Parsons Brinckerhoff – Manager/Architect June 1994 – Aug 2000**

Responsible for all systems development staff and systems reporting to VP of Information Technology. Supported approximately 2000 users which grew to slightly over 10,000.Configured/implemented/supported Oracle Applications ERP, Projects(1st customer/architect), HRMS(1st US customer/architect) and Clarus E-Business integrated into Oracle PO, Order Entry, Purchasing, Inventory modules prior to E-Business suite availability.Developed data marts for OLAP reporting to process the high volumes of data. Developed Oracle applications with Developer 2000 that integrated with ORACLE reporting environment.Worked with Oracle Architects on numerous modules and JAVA for Oracle. Agile development utilizing JIRA.

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|  | **Education** |  |

Stony Brook University, M.S. in Economic

Hofstra University, B.S.in Political Science

PACE University PMI PMP 35 hour class

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|  | **Industry Knowledge** | |  | |
| * Broker Dealer Operations * ICE Credit Derivatives, Global FX, Wall Street Systems, Loanet/LS2 * Finance, Risk (Basel 3, RWA, VAR) | | | |
| * Risk Management: Market, Credit, and Operations Risk | | | |
| * FX, SWAPs, Credit Facilities, Loan IQ * Client based Reporting Systems | | | |
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|  | | **Technical Skills** |  | |

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| * SQL | * Sybase |
| * Oracle DB/EBS 12 | * SQL Server |
| * Business Objects * MS Visio | * ASP .Net/ XML * SSIS/Informatica ETL |
| * MS Project | * ERWIN |
| * MS Excel | * TOAD/ Aqua Data |
| * MS Access | * SSRS |
| * Windows Services * IOT Management | * Solutions Architecture * COGNOS |