**Matthew Yeseta**

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**Chief Technology Officer | Data Engineering | Data Science**

Strategy Leadership | Master Data Science | Machine Learning | Data Science Predictive Analytics

Chief Technology Officer leadership in strategy and roadmaps, BlockChain cryptocurrency chain-code, token protocols, exchange endorsement, validation, distributed database. Hands on leadership in data analytics ML (Machine Learning), Data Visualization Tableau, Shinny, Amazon AWS, Lambda, Glue, Athena, Java, Python, Big Data Architecture with Hadoop, self-healing Hystrix Micro Services, healthcare center of excellence team for data governance and oversight of analytics machine learnings for enterprise analytics healthcare solutions, Director Data Science Management leadership in data science analytics solutions to contribute in revenue models and customer engagement for revenue discussion. Leadership in hiring staff and working with HR. Strategic planning for business revenue models. Effective in communication standards, collaboration with fund raising with venture capitalist. Data Scientist for leadership in data science insurance analytics. Spearheaded quantitative research for predictive analytics resulting from qualitative research results from ethnographic observations from broker community on property & casualty liability. Effective in SQL development for 15 years with large database administration, design for Oracle, MySQL database, PostgreSQL database, MS Server database, ArcGIS and PostgreGIS Python experience, defined RFI, RFP technical solutions, estimate preparation, architecture UML designs, standards, products, frameworks

Data Warehouse Architecture for data warehouse analytics, C code software development, MDM, IBM InfoSphere master data management, BI data warehouse architecture, ETL data strategy for structured / unstructured, SQL development for 15 years with large database administration, Oracle, MySQL database, PostgreSQL database, MS Server database, DB2, Teradata data analytics, Erwin data modeling, ArcGIS geodatabase, PostgreGIS Python, DataStage, backup, database normalization design, data modeling (Erwin), Apache Spark Streaming Analytics

Data Science R and Python, SAS for Data Science, R predictive analytics, time series forecasting, machine learning neural network deployment, NLTK NLP Python natural text mining, deep learning, leading research for data science, numeric data problem solving, micro services implementations, delivering analytics with data science data pipelines, spearheaded Bayesian network statistics for predictive analytics. Leadership in Data Science R Python

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| |  | | --- | | **EXPERTISE**   * **Chief Tech Officer** * **BlockChain Architecture** * **Data Pipeline Architecture** * **Quantitative Research** * **Qualitative Ethnographic & Content Research** * **Data Scientist R | Python** * **Data Management Leadership & Research** * **Quantitative Analysis** * **Predictive Data Analytics** * **Time Series Forecasting** * **Ethics in Leadership** * **Project Management** * **Multi-Million $$ Budgeting** * **Fund Raising Strategies** * **Cost & Profit Analysis** * **Strategic Roadmap** * **Organization Planning** * **Data Architecture** * **End-to-End Vision** * **Cloud-Based Experience** * **Data Transformation** * **Agile Implementations** | | ***Data Scientist Analytics Sisense Tableau Dashboards MongoDB***  County of Fresno, Fresno, California (2019)  ***Chief Technology Officer, BlockChain Architect, Chief Data Scientist***  Snowball.money, San Francisco, California (2018)  Chief Technology Officer Management Team, BlockChain, Data Officer for data analytics strategy, Chief Data Scientist R coding. Responsible for BlockChain Architecture, BlockChain Hyper-Ledger development, managing onsite & offshore BlockChain development team, responsible for hiring BlockChain developers, BlockChain cryptocurrency chain-code for token protocols (ETH, Bitcoin, NEM, EOS, QTUM, BitShares), Web3, BlockChain exchange (endorsement, validation, proposal inspection), BlockChain distributed database, BlockChain regulations leadership. Facebook API, Twitter API, Python, R data science analytics, Convolutional Neural Network, Recurrent Neural Network, stochastic gradient descent, Long Short-Term Memory, Jupyter Notebook, machine learning, unstructured data  ***Chief Technology Officer, Solutions Architect, Data Scientist***  Athena Intelligence(Artificial Intelligence)Sacramento, California (2017-2018) Chief Technology Officer, Supply Chain Leadership in strategy for data analytics and data science Machine Learning, Tableau, Shinny, Amazon AWS, Lambda, Glue, Athena, Python Analytics Machine Learning. [IoE] Internet of Earth’s Essential Limited Resources. Digital Image processing data analytics (image, segmentation). Python MatPlotLib, image, raster image processing for vegetation multispectral image datasets. Qualitative research on GIS media for land data and image to ascertain application for statistical analysis to find viable data patterns of multi-variable correlation coefficient results and plots. Government & private datasets. PostgreSQL/PostgreGIS, Cloud Infrastructure, R Data Services for natural resources and, energy, water, food for delivering high scalable world-wide sustainable platform |
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***Micro Services Architect, BlockChain Architect, Solutions Architect*** 2015

Anthem**,** Thousand Oaks, California

Responsible for Solutions Architecture, BlockChain, Big Data Warehouse analytics leadership using data analytics, data science Machine Learning, strategic thinking for data analytics, leadership in providing innovative Micro Services architecture design and technology selection for the enterprise Broker insurance portal personal lines policies implementation. Leadership in Micro Service domain design implementation, X-axis scaling, Y-axis scaling

* BlockChain distributed merkle ledger. BlockChain cryptocurrency chain-code for token protocols, BlockChain strategy discussion for merkle tree to store large member data
* Deployed Dell Boomi AtomSphere multi-tenant integration workflows, Data Warehouse, Amazon AWS, data modeling standards, processes, data quality, data integration, defined RFI, RFP, Pentaho ETL
* Delivered Micro Service framework architecture using IBM Strong-Loop API for new Insurance claims portal.
* Created Micro Services design for self-tuning, self-healing systems implementation with Hystrix Micro Services monitoring and error correction that includes numerous industry-leading applications, services and programs.
* Managed and mentored 15-member staff on the benefits & advantages of Micro-Services & how to integrate with existing legacy data sources, Reduced Micro Service technical debt significantly in less than 3 months
* Leadership in Java Architecture, Java development, collaboration with stakeholders, lines of business (LOB)
* NLP Python text mining text mining for data mining and text analysis for large data insurance members

***Chief Technology Officer & Engineering Manager, Director Data Analytics*** 2012 - 2015

Nimbler Inc., San Francisco, California

Chief Technology Officer management leadership for property & casualty insurance. Director of data Science analytics, managed revenue models and customer engagement, quantitative research and data science predictive analytics, Data Warehouse using Amazon AWS, Data Warehouse Oracle, ETL, data ingestion, data integration

* Chief Technology Officer, Director of Data Science, Big Data Hadoop, Amazon AWS Cloud Architect
* Convolutional Neural Network, Recurrent Neural Network, stochastic gradient descent, Long Short-Term Memory, R, Jupyter Notebook, structured & unstructured data, TensorFlow, Sklearn for predictive analytics
* Spearheaded quantitative research for predictive analytics resulting from qualitative research results from ethnographic observations from broker community on property & casualty liability insurance policy data
* Data Scientist online search service for property & casualty insurance B2B for brokers and insurance affiliates.
* Senior Data Scientist SAS, C, Python Machine Learning, R Deep Learning Neural Network property & casualty recommendations engine developed in numpy, MatPlotLib, time-series machine learning, data science
* Achieved strategic roadmaps and infrastructure & database implementation for online property and casualty insurance and risk management insurance, project planning, technology stack, data science research.

***Chief Technology Officer, Director Head Engineering Leader, Machine Learning Data Science***2013 - 2014

Arubixs, San Francisco, California

Chief Technology Officer Leadership for Machine Intelligence, Director Head Data Science Engineering, Data Science, Machine Learning Deep Learning leadership in SAS and R statistics & data infrastructure pipelines for data collection, contributed to essential revenue models, strategic planning for revenue models, collaboration and engagement for revenue discussion. Key engagement for strategy and funding. Managed direct line of communication with CEO regarding IT operations, budget and strategy decisions, Requests for Information / Proposals

* Chief Technology Officer, Director Data Science Machine Learning, R Neural Network Deep Learning, Convolutional Neural Network, Recurrent Neural Network, stochastic gradient descent, Long Short-Term Memory, R, C, Jupyter Notebook, Artificial Intelligence Machine Learning, structured & unstructured data
* Analytics for market segment channels to build consumer personalization, recommendation engine
* Build recommendation engine data science solution in machine learning system, analyzed R/Python machine language statistics and data infrastructure pipelines for data collection and python predictive analytics for statistical probability-based machine learning using various rigorous models.

**VP Level Enterprise Java Solutions Architect**

Wipro, Mountain View, CA. 2013 – 2014

Enterprise Java Solutions Architect responsible for design, development, leadership, implementation

**Chief Technology Officer, Chief Data Architect, Director Data Scientist, Chief Java Architect**

FizzJam, San Jose, CA. 2012 – 2013

Chief Data Architect, Chief Technology Officer Manager for software team. Chief Java Architect for major Java design and development. Director Head of Data Science for data science numpy & scikit-learn machine learning development, C software development, neural network deep learning, statistics probability Bayesian prediction, naive Bayes mode, Bayesian classifiers, Bayesian networks, linear regression, stochastic gradient descent.

**Chief Technology Officer, Big Data Architect, Director of Data Science Engineer**

Itron, San Mateo, CA. 2012

Chief Technology Officer Manager, Data Architect, promoted to Director Data Science Engineering and SOA Architecture, IoT Wireless Architect responsible for C code ZigBee on Cellular & Wifi 802.11 Communication server for SmartGrid Wifi gateway, data collection meter billing, Bluetooth, M2M HAN machine-to-machine resource dashboard.

Big Data Architect, Database Architect, DBA Oracle/MS SQL, Chief Data Architect responsible for data warehouse MDM master data management design, BI data warehouse architecture for ETL & managing data strategy for structured and unstructured big data solution. Chief Data Architect responsible for data warehouse MDM master data management design, BI data warehouse architecture for ETL & data strategy for structured and unstructured big data

**Enterprise Analytics Architect, Solution Architect, Application Manager, Big Data Architect**

Kaiser Permanente, CA. 2008 – 2011

Responsible for implementation delivery on Solution Analytics, Architecture, SOA Architecture, Big Data Hadoop for broker community system, delivered a broker life insurance policy system that aggregated multiple policy for procuring quotes / policy, giving independent brokers easy fiduciary collaboration between insurance brokers and insurance companies on quotes, commercial lines, personal lines policies. Data Architect managing data quality and data production databases in Oracle, AWS, MS SQL Server, BPM, data modeling (Erwin), SQL development (PL/SQL)

**VP Engineering, Enterprise Architect, Cloud Architect (Consultant)**

DOJ/DHS/CDSS, CA. 2008

**Enterprise Architect, System Architect (Consultant)**

PG&E, San Francisco, CA. 2007

**Vice President, SOA Architect, Lead C# SOA Micro Services**

Bank of America

Concord, CA. 2006 – 2007

**Enterprise Solution Architecture / SOA Architect**

UnitedHealth / PacifiCare Health, Cypress, CA (2005–2006)

Responsible for SOA Architecture for retail insurance clients, Java development implementation delivery on broker community system, delivered a broker life insurance policy system that aggregated multiple policy for procuring quotes / policy, giving independent brokers easy fiduciary collaboration between insurance brokers and insurance companies on quotes, commercial lines, Requests for Information (RFI), Request for Proposals (RFP) for third-party application solutions, SME on solutions designs

**Enterprise Architect Supply Chain Architect, SOA Architect, Project Manager**

Numerous Fortune 500 Company positions (2000 – 2006)

**EDUCATION & CERTIFICATIONS**

**Master of Data Science** (2018 - 2020)

University of Wisconsin, Data Science Graduate Program

**Business Intelligence Data Science Certificate** (2017 - 2018)

Missouri University of Science & Technology

**Bachelor of Science** **| Business Administration (Computer and Information Science)**

California State Polytechnic University