

# Igor Polyatykin

Hands-on Director of IT, CTO, CIO, Project Manager, Team Leader  
(70% of development and 30% of design architecture and managing timelines)

## About Me

- Excellent analytical, problem-solving skills, great communication, and interpersonal skills
- Invaluable ability to pick up and learn complex new technologies and provide innovative solutions and implementations
- Working in a fast-paced environment handling multiple project deliverables
- Extremely technology savvy and self-motivated, a quick learner and a professional team player striving for success and achieving the highest possible level of customer satisfaction

## Education

1998 – 2000	<b>School of Economics</b> Academy of Tax Police, Russia
1990 – 1995	<b>Master's Degree in Mathematics and Computer Science</b> Balashovsky State Institute, Russia

## Certifications

Scaled Agile	Certified SAFe 4 Agilist (SAFe SA)
Scrum Alliance	Certified Scrum Professional - Scrum Master (CSP-SM), Advanced Certified ScrumMaster (A-CSM), Certified ScrumMaster (CSM)
DataCamp	Data Scientist/Data Analyst/Data Visualization
DataCamp	Portfolio Risk Management/Financial Analytics/Analyzing Business Data/Statistics Fundamentals
DataCamp	Machine Learning/Programmer with Python
DataStax	Enterprise 6 Architect/Developer/Administrator/Search Specialist/Analytics Specialist/Graph Specialist
DataStax	DS101, DS201, DS210, DS220, DS310, DS320, DS330

## Experience

Jan 2013 – present	<b>Entrepreneur, CTO, CIO, Hands-on Solution Architect</b> Metadata Channel LLC – New York, NY, USA <b>Project:</b> Design and implementation of highly optimized distributive cloud-based (Azure, AWS, GCP, Salesforce, etc) multilingual, multi-
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## Personal Info

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### Phone

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### LinkedIn

<https://www.linkedin.com/in/igor-polyatykin>

## Languages

English	fluent
Russian	fluent

## Skills

Management	expert
Digital Marketing	expert
Sales Strategies	expert
Investments, Banking	expert
Financial Audits, Assurance	expert
Insurance, Reinsurance	expert
Trade Order Management	expert
Telecommunication	expert
Logistics and Supply Chain	expert
Real-Estate Solution	expert
Publishing Solution	expert
Broadcasting Solution	expert
E-Commerce Solution	expert
CMS Solution	expert

market, cross-platform, cross-browser, web-based, and mobile device management solutions that scale vertically and horizontally across a multitude of cloud platforms and driven by DevOps Kubernetes CI/CD pipelines. Design and implementation of unsupervised, semi-supervised, supervised, reinforcement Machine Learning and AI orchestrations, NLP modeling. Data Governance of scalable Big Data solutions as a global crypto-assets data layer of automated Smart Contracts of the Blockchain Decision Support Services, giving the clients the solution for smarter regulation of the global decentralized markets utilizing Blockchain, Ethereum, Smart Contracts, Solidity, Vyper, Web3JS, Truffle, Ganache, Geth, Parity, NodeJS. Refactoring JQuery web solutions using Javascript, HTML5, ES5, ES6, Bower, Grunt, Gulp, ReactJS, ExpressJS, NodeJS, Angular, SASS, CSS3. Design, build, and refactor mobile-based solutions using Kotlin, Dagger2, Swift, MVVM, React Native for Android and iOS mobile devices.

Jan 2021 –  
Mar 2022

### **Hands-on Principal Big Data, Machine Learning & Artificial Intelligence Engineer**

AT&T – Plano, TX, USA

**Project:** Avertack and Fraud Anti-Money Laundering Intelligence (FAMLI) distributive cloud-based sales and fraud detection solutions. Design, implementation, and collaboration with Data Scientists Artificial Intelligence for IT Operations (AIOps) platform utilizing real-time stream processing technologies, Apache Spark, DataBricks, machine learning models, runnable in parallel, and pipelines to effectively use operational data insights for an automated rule-based driven anti-money laundering solution, allowing scalable machine learning model training and model deployment. Design and implementation of unsupervised & supervised clustering algorithms for fraud detection across AT&T sales using Scala, PySpark, R, Java, Azure Data Factory, Azure HDInsight, Apache Hive, Apache Hadoop, Cassandra. Performance tuning engines for automated load balancing to be able to run efficiently with stipulated SLA and reduced response times. Design and implementation of structured stream processing data pipelines using Confluent Apache Kafka and Nifi. Design, development, A/B testing, unit and integration testing of complex data pipelines, and handling data volumes to derive insights. Design, implementation, refactoring of highly optimized distributive cloud-based, cross-browser, web-based solutions that scale vertically and horizontally using ReactJS, NodeJS, SASS, CSS3 across the Azure platform and are driven by Azure Cache Redis, ElasticSearch, MongoDB, Azure DevOps CI/CD of Kubernetes, Docker, Jenkins, Ansible pipelines.

Jun 2019 –  
Dec 2019

### **Hands-on Solution Architect, DevOps Kubernetes Microservices Architect, Big Data Architect**

Deloitte Global – Princeton, NJ, USA

**Project:** Cortex - International leading-edge cloud-based B2B capital markets analytics audit platform which creates a structured data lake to enable advanced, repeatable, and scalable analytics, and is being deployed on both public and private company client engagements. Design and implementation of highly optimized distributive cloud-

## **Web Expertise**

WordPress	expert
ReactJS	expert
GraphQL	expert
CSS, CSS3, SASS	expert
Javascript	expert
NodeJS	expert
LoDash	expert
jQuery	expert
Angular	expert
.Net, .Net Core Web	expert

## **Microservices Expertise**

Microservices Architecture	expert
NodeJS	expert
Java Spring Boot	expert
Python Flask	expert
Scala Play	expert
.Net, .Net Core Web API	expert

## **Mobile Expertise**

Kotlin, Dagger2	expert
Swift	expert
Xamarin	expert
Google Firebase	expert
React-Native	expert
Inversion of Control, IOC	expert
Dependency Injection	expert

based multilingual, multi-market, cross-platform, cross-browser, web-based, and mobile device management auditing solutions that scale vertically and horizontally using ReactJS, NodeJS across Azure, AWS platform and driven by Azure HDInsight, Apache Spark (Scala, PySpark, Databricks), Apache Kafka, Apache Hive, Apache HBase, Apache Hadoop, DevOps CI/CD of OpenShift, Kubernetes, Docker, Terraform, Ansible pipelines. Refactoring JQuery web solutions using Javascript, HTML5, ES5, ES6, Bower, Grunt, Gulp, ReactJS, ExpressJS, NodeJS, SASS, CSS3.

Jul 2018 –  
Dec 2018

### **Hands-on Solution Architect, DevOps Kubernetes Microservices Architect, Big Data Architect**

Bank Of America – Pennington, NJ, USA

**Project:** International B2B and B2C SaaS mobile and web-based trade order management solutions of investment banking, alternative investments, commercial banking, wealth management, annuities, retirement-related services, mutual funds, and risk management. Data Governance and SEO using Cognitive Search Engines best patterns and practices with Machine Learning and AI on scalable Big Data solutions. Mastering flexible, dynamic, reusable, and automated data-driven orchestrations with different layers of security of CI/CD solutions using NLP modeling and Apache Kafka, Spark, Drill, Hive, HBase, Hadoop and Ansible, Python, Java, Terraform, Vagrant on AWS, Azure, GCP, Digital Ocean, Docker, Kubernetes, OpenShift, VMware. Design, implementation, and refactoring of highly optimized distributive web-based and mobile device management solutions that scale vertically and horizontally using Angular, ReactJS, Javascript, HTML5, ES5, Bower, Grunt, Gulp, ReactJS, Angular, ExpressJS, NodeJS, SASS, CSS3.

Oct 2017 –  
Jan 2018

### **Hands-on Solution Architect, Kubernetes Microservices Architect, Big Data Architect**

Microsoft, NYPD (New York Police Department) – New York City, NY, USA

**Project:** Multilingual B2B SaaS mobile and web-based solutions for integrating New York City Agencies into Government Entities, States, organizations, and businesses.

Jun 2017 –  
Aug 2017

### **Hands-on Solution Architect, Software Microservices Architect/Developer**

MS Shift, Inc. – New York City, NY, USA

**Project:** International B2B and B2C SaaS mobile and web-based service of hospitality solutions that services the leading hotels of the world, independent and managed hotels, resorts, vacation rental companies, luxury residences, and concierge companies including all departments involved in the operations side of the hotel business.

Jul 2016 – Jan  
2017

### **Hands-on Solution Architect, Docker Microservices Architect, Big Data Architect**

WebMD Health Corporation – New York City, NY, USA

**Project:** International B2B and B2C SaaS mobile and web-based solutions for managing medical and health information using NLP modeling, creating and maintaining up-to-date medical reference content databases, medical imagery, graphics, and animation; Incremental metadata is driven by business intelligence, data warehousing, and reporting solutions. Design and maintenance of HL7,

## **SEO Expertise**

Elasticsearch, ELK	expert
Apache Solr	expert
DataStax Enterprise Solr	expert
Microsoft Azure Search	expert
Attivio Search	expert
Splunk	expert
SQL Server Full-Text Search	expert

## **Big Data Expertise**

Spark, Databricks	expert
Azure Synapse Analytics	expert
Azure Data Lake Analytics	expert
Kafka	expert
Cassandra	expert
NoSQL, MongoDB	expert
AWS DynamoDB	expert
Power BI, Tableau, D3	expert
Splunk	expert
Scala, Python, PySpark	expert

## **Data Science Expertise**

Statistics	expert
Graphs, Subgraphs	expert
Data Mining	expert
Data Analytics	expert
Neural Networks	expert
Deep Learning	expert
ML + AI	expert

HIPAA, FHIR code mappings, when necessary, for translating codes of sending facilities HL7 standard message types: ORM, ORU, ADT, SIU. Applied ETL processing from HL7 V2, V3 to FHIR.

Feb 2016 –  
Jun 2016

**Hands-on Solution Architect, Software .NET/Java/SOA/SQL/BI Architect/Developer**

U.S. Bancorp Fund Services (U.S.Bank Subdivision) – Hackensack, NJ, USA

**Project:** International B2B and B2C SaaS mobile and web-based trade order management solution of alternative investments, financial products, and services to individuals, businesses, nonprofit organizations, institutions, and government entities; Incremental metadata is driven by business intelligence, data warehousing, and reporting solutions.

Apr 2014 –  
Oct 2015

**Hands-on Senior Software .NET/Java/SOA/SQL Architect/Developer**

MetTel – New York City, NY, USA

**Project:** International multilingual B2B and B2C SaaS web-based telecommunication platform (Mobile Services: T-Mobile, Verizon, AT&T, Sprint; Landline Services, VoIP Services) for managing the provisioning, billing, business intelligence, data warehousing, and reporting solutions.

Mar 2013 –  
Nov 2013

**Hands-on Software .NET/Java/SOA/SQL/BI Architect/Developer**

Abbott Laboratories – Princeton, NJ, USA

**Project:** International B2B SaaS web solution of in vitro diagnostics medical devices; Incremental event- and metadata-driven business intelligence, data warehousing, and reporting solutions. Design and maintenance HL7, HIPAA, FHIR code mappings, when necessary, for translating codes of sending facilities HL7 standard message types: ORM, ORU, ADT, SIU.

Jan 2012 –  
Oct 2012

**Hands-on Software .NET/Java/SOA/SQL Architect/Developer**

Bloomberg – New York, NY, USA

**Project:** Bloomberg Trade Order Management Solution with global, multi-asset solutions for front-end inventory, trading, and middle- and back-office operations. Innovative solutions help generate revenue, drive efficiency, increase global distribution, and manage risk and compliance. Integrating the trading content inside worldwide media B2B solutions.

Oct 2008 –  
Dec 2011

**Hands-on Senior Software .NET/Java/SOA/SQL/BI Architect/Developer**

Tower Group Companies – New York, NY, USA

**Project:** Dynamic Data Governance and Data Marts Solutions of Nation-Wide Insurance Conglomerate. Premium and claims of insurance & reinsurance reconciliation processes of property and casualty insurance/reinsurance/risk management products and services.

Mar 2005 –  
Aug 2008

**Hands-on Software .NET/Java/SOA/SQL Architect/Developer**

Pitney Bowes, formerly Ibis Consulting Inc. – Providence, RI, USA

**Project:** eDiscovery and Records Information Management (RIM) B2B solution.

## Data Warehousing Expertise

ROLAP, HOLAP, MOLAP expert

Dimensional Modelling expert

BI Data Mining expert

Data Governance expert

Data Lineage expert

Master Data Management expert

Microsoft Analysis Services expert

Snowflake expert

## Crypto Assets Expertise

Blockchain expert

Hyperledger expert

Ethereum expert

Smart Contracts expert

Decentralized Applications expert

Solidity expert

Web3JS expert

## Security Expertise

OWASP expert

Threat Modeling expert

STRIDE expert

DREAD expert

Security Risk Assessment expert

Anti-Money Laundering expert

AES, 3DES, ECC, DSA, RSA expert

PGP, Merkle Tree expert