

CAPABILITIES STATEMENT

PRISMALYTICS, LLC

Mission-Critical Technology Consulting • Online I.T. Instruction and Assessments

ABOUT PRISMALYTICS (1997 – PRESENT)

Latest version of this statement: <https://prismalytics.io/capabilities>
Originally formed as [RENSELAER TECHNOLOGY GROUP, LTD](#) in 1997 and reformed as [PRISMALYTICS, LLC](#) in 2013; [PRISMALYTICS](#) has been principal architect, engineer and strategic advisor to Fortune-500's biggest brands, on their high-value mission critical technology initiatives.

Successful outcomes span major verticals, including: CableTV, Media & Entertainment • Pharmaceuticals • Financial Services • Securities Exchanges • Commodities Exchanges • Telecommunications.

Projects types are equally diverse and include: Financial Trading Systems • Data Center Architectures • Backend Platforms for VoD CableTV Services • Artificial Intelligence-based Recommender Systems • Multi-Datcenter Business Continuity & Disaster Recovery Platforms • Fibre Channel SAN Data Architectures • Real-Time Complex Event Processing (CEP) Platforms for Trade Stream Analytics • Backend Software Development • Cloud Big-Data Platforms for Streaming & Batch Analytics • and more.

PRISMALYTICS is also the company behind the [VERILABS](#) platform and product (<https://verilabs.io>); a Cloud-Native platform for Online Technology Education • Proficiency Exams • and Rapid Solutions Prototyping, on virtually any Information Technology Ecosystem.

Over a near 25-year span – which has witnessed unrelenting change in technologies, tools, techniques and trends – PRISMALYTICS credits it's sustained success to adopting, adapting and faithfully applying the time-tested best practices and playbooks learned during those many marquee engagements. Select real-world artifacts resulting from this body-of-work is found here: <https://jupyter.ai>

CORE CONSULTANCY COMPETENCIES • PRODUCTS

CONSULTANCY

- ❖ C-Suite Advisory for Strategic Business-Technology Adoption
- ❖ Batch & Streaming Data Analytics (Data Engineering & Science)
- ❖ Cloud Data-Platform Design: Analytics • Data Stores • Logistics
- ❖ Event and Data-Driven Backend Software Development
- ❖ Cloud-Native, Containerized Designs via Infrastructure as Code
- ❖ Business Continuity / Disaster Recovery Platforms & Processes
- ❖ Multi-Datcenter Storage Area Network (SAN) Design

PRODUCTS

- ❖ [VERILABS](#) platform: Rapid Solutions Prototyping & Simulation
- ❖ [VERILABS](#) platform: I.T. Instruction and Skills Assessment

WHAT SETS PRISMALYTICS APART

- **Time-Tested / Past-Performance Proven:** Founded by the former lead architect to Sun Microsystems' Northeast Tier-1 clients, PRISMALYTICS' successful body-of-work spans 23-years, 6-verticals, and many enterprises-critical successes. As evidence of past performance, we offer a commendation letter from **Deloitte** for a delivered mission-critical project: <https://jupyter.ai/deloitte>
- **Mitigated Risk:** We use our [VERILABS](#) cloud platform to emulate client I.T. environments, as well as to prototype various solutions prior to implementing one; leading to optimized final solutions, rehearsed deployments and overall risk-mitigated adoption.
- **Reduced Time-To-Benefit:** Projects with procurement delays can continue prototyping atop [VERILABS' R&D Lab](#), applying results that emerge from it onto *eventually-procured* assets. This strategy was adopted on a **Bank of America** greenfield project, resulting in an on-time delivery of these lab results: <https://jupyter.ai/bofa>
- **Transparency:** Where client permission was granted, we share [select artifacts from engagements](#) that document our deliberative approach to solutioning. Assets include diagrams, whitepapers, code fragments, technologies & techniques, explainers, Jupyter Notebooks, and more. For instance, the following is the Multi-Datcenter SAN that we architected for **The New York Mercantile Exchange / CME Group** in order to implement its Business Continuity / Disaster Recovery goals: <https://jupyter.ai/nymex>
- **Better ROI:** We over-deliver results that reliably operate for years. Accompanying every delivered platform, we provide operator training, guides, well-planned future OpEx budgets, and more. Because details matter, we always outperform even large rivals.

GENERAL INFORMATION

Registered Company Name: [PRISMALYTICS, LLC](#)
Year Incorporated (as [LLC](#)): 2013 (Originally formed in 1997 as a [LTD](#))
State of Incorporation: NEW YORK STATE
Corporation Type: LIMITED LIABILITY COMPANY (LLC)
D-U-N-S Number: 111811606
CAGE: 8SVR8
In Business Since 1997: Originally formed as [RENSELAER TECHNOLOGY GROUP, LTD](#) in 1997; then reformed as [PRISMALYTICS, LLC](#) in 2013.

CONTACT INFORMATION

Voice: (212)-882-1276
Fax: (646)-787-0760
Email: hello@prismalytics.io
Web-1: <https://prismalytics.io>
Web-2: <https://jupyter.ai>
Web-3: <https://verilabs.io>



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SELECT PAST-PERFORMANCE ENGAGEMENTS

FORTUNE-500 END-CLIENT	ENGAGEMENT ROLE(S)
❖ Bank of America	❖ Data platform design for real-time trade analytics
❖ Cablevision Systems (now Altice)	❖ Backend systems design for On-Demand CableTV
❖ NY Mercantile Exchange (NYMEX / CME Group)	❖ Multi-Datcenter Disaster Recovery Platform Design
❖ REUTERS INET -> NASDAQ Stock Exchange	❖ Engineering for Stock Exchange Network (ECN)
❖ Bank of Nova Scotia – Chief Data Officer (CDO)	❖ Director Data Analytics, Standards & Processes
❖ Network Appliance (NetApp)	❖ Product Creator for OnTAP Mgmt Software
❖ Deloitte & Touche	❖ Datacenter Compute, SAN and Storage Architectures
❖ Merrill Lynch -- Investment Research	❖ Machine Learned Article Recommender Engine

NORTH AMERICAN INDUSTRY CLASSIFICATIONS (NAICS)

- ❖ 541511 – Custom Computer Programming Services
- ❖ 541690 – Other Scientific and Technical Consulting Services
- ❖ 541618 – Other Management Consulting Services
- ❖ 611710 – Educational Support Services (Information Technology)
- ❖ 541512 – Computer Systems Design Services
- ❖ 611420 – Computer Training (I.T. Skill Training & Assessment)
- ❖ 611519 – Technical & Trade Schools (via <https://verilabs.io>)
- ❖ 541519 – Other Computer Related Services
- ❖ 518210 – Data Processing, Hosting, and Related Services

SELECT PAST-PERFORMANCE END-CLIENTS



SELECT TECHNOLOGY CERTIFICATIONS

<https://jupyter.ai/aws-certifications>

- ❖ AWS: Certified Developer Associate
- ❖ AWS: Certified Solutions Architect Associate

<https://jupyter.ai/deeplearning-certification>

- ❖ Coursera: Certified Neural Network & Deep Learning (Andrew Ng)
- ❖ Coursera: Certified Structured Deep Learning Projects (Andrew Ng)
- ❖ Coursera: Certified Neural Network Optimization (Andrew Ng)

M / WBE CERTIFICATIONS (LOCAL)

- [M/WBE: City of New York, Small Business Services \(SBS\)](#)

M / WBE CERTIFICATIONS (REGIONAL & STATE)

- [M/WBE: NMSDC of New York & New Jersey](#)
- M/WBE: State of New York (In-Progress; Pending)

M / WBE CERTIFICATIONS (FEDERAL)

- M/WBE: SBA 8a (In-Progress; Pending)