

## Voyager Solution Architect – Springfield, VA

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**Brian Goldin** 1st  
Founder and CEO at Voyager Search  
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## About the job

### About Us

Voyager Search specializes in connecting and interpreting vast amounts of spatial and non-spatial data across diverse structured/unstructured repositories and catalogs. Our mission is to make data discoverable, interoperable, and actionable, enabling organizations to unlock its full potential.

Our flagship software, **Voyager**, is built on **Apache Solr/Lucene** and delivers a robust framework for enterprise data enrichment, conditioning, and management. With deep capabilities for geospatial data integration, Voyager enables advanced search, metadata governance, and AI/ML workflows, empowering decision-makers with new insights, decision ready indicators, and ensuring zero-trust security compliance.

### Position Summary

The **Solutions Architect** will play a lead role in the delivery of an **agency-wide metadata governance solution** with a strong emphasis on **geospatial data** within national intelligence. This role requires onsite work in a classified environment, supporting the deployment of Voyager software across C2S networks.

The ideal candidate will have experience with **enterprise search technologies**—preferably **Apache Solr/Lucene**, though experience with other platforms (e.g., **Elasticsearch**) is also acceptable—and geospatial workflows.

As the bridge between Voyager's internal development team, onsite system integrators, and government stakeholders, the Solutions Architect will ensure the solution's successful implementation and delivery.

While prior experience with the **Voyager software platform** is a plus, **we will**

work closely with the selected candidate to rapidly develop proficiency and provide the support needed to excel in this mission-critical deployment.

This is an exciting opportunity to lead technical deployments in a **fast-paced, high-impact environment**, collaborating with analysts, developers, and senior managers to deliver innovative solutions.

#### Responsibilities

- Work onsite at NGA's Springfield, VA facility, supporting classified deployments of **Voyager software on C2S networks**.
- Lead the implementation of a **geospatial metadata registry**, ensuring effective use of **Apache Solr/Lucene** or other enterprise search technologies as the search backbone.
- Provide expertise in optimizing search performance, query design, and geospatial indexing within Solr/Lucene environments.
- Collaborate with Voyager's internal development team and NGA's system integrators to customize solutions for enterprise-scale geospatial data.
- Act as a technical advisor, assisting stakeholders with configuring and scaling the metadata governance solution.
- Communicate technical concepts clearly to both analysts and senior leadership, including briefings on solution design, capabilities, and performance.
- Troubleshoot and resolve search, indexing, and integration challenges in collaboration with onsite teams.
- Define and document requirements, workflows, and architectures to meet NGA's operational goals.
- Identify and advocate for software enhancements to the Voyager core development team, particularly those involving geospatial data and Solr/Lucene optimizations.
- Develop technical demonstrations and proofs-of-concept showcasing Voyager's geospatial search capabilities to stakeholders.

#### Technical skills and Education

- **Current TS/SCI Clearance with CI Poly** (or willingness to obtain CI Poly). Privileged User credentials are a plus.
- **Experience with search engine technologies—Apache Solr/Lucene preferred**; experience with **Elasticsearch** or similar platforms is also acceptable.
- Strong understanding of **geospatial data** workflows, GIS technologies, and tools (e.g., Esri ArcGIS).
- Experience deploying and managing search solutions in AWS (C2S or other cloud environments).
- Proficiency in programming and scripting languages, including **Java, Python, and JavaScript**.
- Experience with relational databases such as Oracle, SQL Server, or similar RDBMS.
- Knowledge of automation tools (e.g., **Ansible, Chef, Puppet**) and version control systems (e.g., **Git**).
- Familiarity with **authentication protocols** (LDAP, AD, SAML) and security principles in classified environments.
- Strong problem-solving and debugging skills, with the ability to optimize search and indexing performance.
- Excellent communication skills, with experience presenting solutions and technical concepts to both technical teams and leadership.
- Ability to define technical requirements, design architectures, and produce documentation.
- Bachelor's degree or equivalent experience/combined education. Minimum/General Experience 3 years.

#### Preferred Experience

- Familiarity with C2S network environments and NGA-specific workflows.
- Experience integrating Solr/Lucene with geospatial tools, AI/ML pipelines, and large-scale metadata registries.
- Demonstrated ability to support enterprise geospatial metadata solutions in classified environments.

#### Why Join Us?

- Lead a high-visibility project delivering a geospatially enabled metadata governance solution for a national security mission.
- Work directly with NGA stakeholders, from analysts to senior leadership, driving the deployment of cutting-edge search and metadata technologies.
- Apply your expertise in search engine technologies and geospatial data in a mission-critical, classified environment.
- Collaborate with a dynamic team of developers, system integrators, and technical experts in a fast-paced, results-driven atmosphere.

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25% have a Master's Degree

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San Francisco Bay Area (Hybrid)

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Block + Tackle

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### Applied AI, Partner Solutions Architect

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Seattle, WA

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### Solutions Architect, Majors

dbt Labs

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\$210K/yr - \$254K/yr · 401(k), +5 benefits

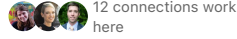


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Microsoft  
Washington, DC (Hybrid)  
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**Solutions Architect, Enterprise** ✓

dbt Labs  
Germany, PA (Remote)

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