Analytics Engineer

[**Apply now**](https://secure.dc4.pageuppeople.com/apply/968/gateway/default.aspx?c=apply&lJobID=531255&lJobSourceTypeID=796&sLanguage=en-us&lApplicationSubSourceID=11250) [**Back to search results**](https://careers.pageuppeople.com/968/cw/en-us/listing/?)**Job no:** 531255  
**Work type:** Administrative & Professional  
**Senior management:** Vice President-Info Technology  
**Department:** Enterprise Systems  
**Location:** Blacksburg, Virginia, Fully Remote, Hybrid  
**Categories:** Information Systems / Technology

**Job Description**

The Analytics Engineer will be responsible for supporting and developing enterprise-level reporting and analytics solutions. The employee will have strong experience with reporting tools such as MicroStrategy, data transformation using ETL tools like Talend, relational database systems such as Oracle, cloud technologies including AWS, and programming languages commonly used in the cloud, such as Python. Familiarity with both traditional and modern architectures for delivering analytics and data management solutions is essential. Strong communication and organizational skills are critical, as the engineer will work directly with business users who may not have a solid background in analytics. This position works independently and provides technical solutions to business users and data stewards.

**Please note: Sponsorship is only available to candidates living in or willing to relocate to the Blacksburg, VA area.**

**Required Qualifications**

- Master’s degree in Information Technology or related field or a combination of education, training, and experience that equates to a Master’s degree.  
- Experience with cloud data pipeline tools (AWS) and on-premise solutions (Talend).  
- Practical experience with Business Intelligence tools (MicroStrategy, PowerBI).  
- Extensive experience with relational databases (Oracle, Postgres, Snowflake) and advanced SQL.  
- Effective team collaboration and communication skills. Ability to set competing priorities and meet critical deadlines.  
- Experience in full system lifecycle development, requirements gathering and implementation.  
- Committed to supporting and promoting a diverse and inclusive campus community.

**Preferred Qualifications**

- Strong motivation to learn and adapt to new technologies independently.  
- Advanced skills in creating reports, dashboards, and OLAP cubes (MicroStrategy, PowerBI).  
- Deep understanding of data warehouse concepts and database maintenance.  
- Experience with AWS services (Airflow, Glue) and other cloud technologies.  
- Proficiency in programming languages like (Python, SAS, R, Java).  
- Knowledge of devops practices (Docker, GitLab, Jenkins, Vault).  
- Experience with web services and APIs for complex data sets.

**Appointment Type**

Regular

**Salary Information**

Commensurate with Experience

**Review Date**

10/23/2024

**Additional Information**

This position offers hybrid or full remote options, with potential on-site requirements for collaboration.

The successful candidate will be required to have a criminal conviction check.

**About Virginia Tech**

Dedicated to its motto, *Ut Prosim* (That I May Serve), Virginia Tech pushes the boundaries of knowledge by taking a hands-on, transdisciplinary approach to preparing scholars to be leaders and problem-solvers. A comprehensive land-grant institution that enhances the quality of life in Virginia and throughout the world, Virginia Tech is an [inclusive community](https://www.inclusive.vt.edu/) dedicated to knowledge, discovery, and creativity. The university offers more than 280 majors to a diverse enrollment of more than 36,000 undergraduate, graduate, and professional students in eight [undergraduate colleges](https://vt.edu/academics/depts-colleges.html), a [school of medicine](https://medicine.vtc.vt.edu/), a [veterinary medicine](http://www.vetmed.vt.edu/) college, [Graduate School](https://graduateschool.vt.edu/), and [Honors College](https://honorscollege.vt.edu/). The university has a significant presence across Virginia, including the [Innovation Campus](https://vt.edu/innovationcampus/index.html) in Northern Virginia; the Health Sciences and Technology Campus in Roanoke; sites in Newport News and Richmond; and numerous [Extension offices](https://ext.vt.edu/offices.html) and [research centers](https://www.research.vt.edu/institutes.html). A leading global research institution, Virginia Tech conducts more than $500 million in research annually.

Virginia Tech endorses and encourages participation in professional development opportunities and [university shared governance](https://nam04.safelinks.protection.outlook.com/?url=https%3A%2F%2Fgovernance.vt.edu%2F&data=05%7C02%7Clauras69%40vt.edu%7C1ad9c5a039ed4b4e916f08dcaa61f7c2%7C6095688410ad40fa863d4f32c1e3a37a%7C0%7C0%7C638572584948742749%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C0%7C%7C%7C&sdata=vjSZbpDStMgs1gv8ke%2BJNiGEpUQWJjgKnzWAbbaT%2FP8%3D&reserved=0).  These valuable contributions to university shared governance provide important representation and perspective, along with opportunities for unique and impactful professional development.

Virginia Tech does not discriminate against employees, students, or applicants on the basis of age, color, disability, sex (including pregnancy), gender, gender identity, gender expression, genetic information, ethnicity or national origin, political affiliation, race, religion, sexual orientation, or military status, or otherwise discriminate against employees or applicants who inquire about, discuss, or disclose their compensation or the compensation of other employees or applicants, or on any other basis protected by law.

If you are an individual with a disability and desire an accommodation, please contact **IT Human Resources** at **ithr@vt.edu** during regular business hours at least 10 business days prior to the event.

**Advertised:** October 9, 2024  
**Applications close:** Open until filled

[**Back to search results**](https://careers.pageuppeople.com/968/cw/en-us/listing/?) [**Apply now**](https://secure.dc4.pageuppeople.com/apply/968/gateway/default.aspx?c=apply&lJobID=531255&lJobSourceTypeID=796&sLanguage=en-us&lApplicationSubSourceID=11250) [**Refer a friend**](https://secure.dc4.pageuppeople.com/apply/968/gateway/default.aspx?c=employeereferral&lJobID=531255&lJobSourceTypeID=796&sLanguage=en-us&sHome=https%3a%2f%2fcareers.pageuppeople.com%2f968%2fcw%2fen-us%2fjob%2f531255%3flApplicationSubSourceID%3d11250)

[Powered by PageUp](https://www.pageuppeople.com/powered-by-pageup/)