

Genus Job Description

Job Title	Scientific Computing Specialist - Python Developer	Job Family	Research & Development
Reports to	Head of Scientific Computing	Work Level	1
Exemption Status:	Exempt	Pay Grade	TBD

Summary

We have an exciting opportunity for a highly talented, motivated professional to join our team as a Python Developer located in DeForest, Wisconsin. Join a growing team using next generation technology to improve decision making and accelerate genetic improvement in bovine and porcine genetics.

ESSENTIAL DUTIES AND RESPONSIBILITIES include the following. Other duties may be assigned.

1. Applies technical and functional knowledge to conduct experiments/research in assigned area
2. Requires in-depth conceptual, practical and technical knowledge in own job discipline and basic knowledge of related job disciplines
3. Uses best practices and knowledge of internal or external business issues to improve products or services
4. Experiments within own team and may use novel approaches; new ideas and knowledge are used with increasing frequency
5. Acts as a resource for colleagues with less experience
6. Conducts independent research to generate internal or external documents (e.g. publications, regulatory documents) related to own work
7. Solves complex problems; takes a new perspective on existing solutions; exercises judgment based on the analysis of multiple sources of information
8. Explains difficult or sensitive information; works to build agreement

Genus Core Behaviours / Competencies

Customer impact: builds strong, profitable, sustainable customer relationships, anticipating and exceeding customer expectations to increase demand for services and products in order to build loyalty.

Managing external environment: anticipates and responds quickly to environmental changes for the benefit of the business and customers, through strong external networks and deep understanding of the markets.

Execution Orientation: Drives to set ever higher standards and achieve results through determination, resilience and commitment. Develops solutions to enhance the service offering and drive continuous improvement.

Setting Direction: develops simple, deliverable plans based on pragmatic new thinking, ideas or concepts. Assesses accurately commercial risk and return.

Change management: Champions, leads, support or embeds change to improve things. Communicates well and helps others by overcoming barriers.

Analysis and Decision Making: Analyses opportunities and problems thoughtfully and thoroughly to make good and timely decisions.

Team Mobilisation: builds high performing diverse teams, investing resources effectively. Recruits, develops, motivates and retains talent by setting stretching goals and developing capability of self, team and organisation.

Collaboration: 'One team' approach – gains commitment to strategic vision and goals. Builds and maintains networks and relationships, sharing knowledge and experience, delivering on commitments.

The following are qualities that are the foundations on which Genus team members work:

- Integrity
- Honesty
- A desire to work to make a difference in the communities & countries that we work in
- Delivery on commitments – do what you say you are going to do
- Alignment with the business goals and values

Essential Functions include the following. Other duties may be assigned. (Include NO more than 10 functions)
Develop and maintain multiple large-scale data pipelines, develop tools, pipeline and applications to support acquisition, access and analysis of data
Enhance data collection procedures to include information that is relevant for building analytic systems
Process, clean and verify the integrity of data used for analysis.
Interact with science teams and users to understand requirements and identify improvements to the software

Requirements

Experience	<ul style="list-style-type: none"> • M.S. in Computational Sciences, Computer Science or related field • 2+ years of experience working in a Linux/Unix and Cloud and Kubernetes environment • Excellent programming skills in Python, Golang,SQL or similar languages • 2+ years of experience with databases SQL and NoSQL (MongoDB,Cassandra,MySQL) and manipulation of scientific data. • 2+ years of experience with modern software development techniques, configuration management principles and version control • 2+ years of experience developing scientific data pipelines
Other	<ul style="list-style-type: none"> • Self-Driven, data-oriented personality with good communication skills • Maintains professional verbal and written communications with co-workers, internal and external customers, and vendors at all times • Strives to advance skills and displays a willingness to accept future development • Actively participates in Company training opportunities to further develop applicable skills

The above position description is intended to describe the general content, identify the essential functions of, and requirements for the performance of this position. It is not to be construed as an exhaustive statement of duties, responsibilities or requirements.