Cloud Infrastructure Engineer & Database Admin

IntelliCulture Overview

IntelliCulture is looking to grow our team to drive forward the future of Ag-Tech. Farmers are the backbone of our nation and it is our mission to support them. We provide a SaaS farm management software (FMS) to drive sustainable farming practices through actionable insights, efficiency improvements & risk mitigation. The aim of Intelliculture's FMS is to provide easy to digest data analytics and map coverage enabling horticulture operations to identify operational inefficiencies, better maintain equipment, and make more informed management decisions.

Our customers include both consumer and enterprise clients, from small-town Ontario farmers to global Fortune 500 wine producers. Ensuring the timely and quality delivery of product feature growth, as well as conducting rapid opportunity development and customer experiments are the core missions of IntelliCulture's development team.

For more information, please visit www.intelliculture.com

Development at IntelliCulture

At IntelliCulture, we are looking for an individual who is looking for high levels of responsibility within the organization and is interested in being a leader in driving forward the growth of the company. If you are an individual who could consider yourself to be agile, objective driven, and is looking for an opportunity for learning/broadening your scope of development experiences, we at IntelliCulture would certainly be ecstatic to connect with you, and share the opportunities and challenges that we face.

As a Cloud Infrastructure Engineer & Database Admin at IntelliCulture, you will be involved in activities developing and managing the cloud infrastructure and database solutions. We will need your expertise and experience to ensure existing and new applications can continue to scale for more users while improving uptime, real-time performance, and controlling costs.

The IntelliCulture team values your input to ensuring product success with our current customers, and be scalable for growth targets of IntelliCulture. In turn, we will make sure that we are aligned with the fit and direction of growth that you expect to partake in as a member of our company.

Our development activities that you will partake in are

- Design and implementation of application frameworks to allow products to be hosted and serviced through cloud infrastructure

- Configuration & servicing of existing and new cloud infrastructure & resources to sustain numerous application processes

- Monitoring logs and resolving issues to meeting uptime and performance requirements

- Improve cost efficiency and consistency of real-time & resource intensive processes

- Test and improve infrastructure security, expand the system to meet compliance targets

- Support and enable automation activities for reducing deployment downtime and enable continuous integration

Required Skills & Experience

- Strong foundational understanding of full-stack solutions and live service applications

- Working experience in planning, releasing and monitoring live service applications

- Strong experience in project that require resource management, load balancing & coordination

- Database administration experience in procuring upgrades, schema change over and resource management

- Strong experience in GPC cloud solutions, gcloud scripting and IaC

- Experience in infrastructure cost projection and cost monitoring

Some nice to haves

- Experience using or developing for IoT, geolocation & GIS applications

- Knowledge of precision ag industry, heavy equipment

Tools we actively use

- Languages - Javascript & Python

- Backend - Node.js & Express / Gunicorn & Uvicorn

- Database - PostgreSQL / Timescale / Redis

- System Monitoring - Google Cloud Logging, Datadog, Amplitude

- Servers & deployment - Docker / Conda / Nginx / GCP

- Cloud solutions - GCP Compute Engine, GCP Cloud Run

What we expect from you are

- Being passionate and empathetic about our customer needs and problems they face

- Clear communications with internal team members to understand issues, action items, design choices and collectively build solutions

- An effort to continuously improve and grow, both personally and the company

- Ability to set and achieve objectives, while managing balance of agility and scalability

- Development of well organized, documented investigations and solutions

- Being flexible and curious to learn about work beyond the stated job activities and integrate with other processes and teams