Position:  Systems Engineer (Computer Science or Engineering)
Type:   OPS
Location:  Remote
Contact:  Mr. Lucas Costa and Dr. Yiannis Ampatzidis
Southwest Florida Research and Education Center
Department of Agricultural and Biological Engineering
University of Florida;  lfidelescosta@ufl.edu

Description:  The Southwest Florida Research and Education Center (SWFREC- http://www.imok.ufl.edu) is looking for a motivated individual to join the precision ag. engineering team (https://twitter.com/PrecAgSWFREC) under the supervision of Dr. Yiannis Ampatzidis at University of Florida (Department of Agricultural and Biological Engineering). The work is currently remote. We are in the process of redesigning an AI/ML-based system from scratch for a cloud-based web application. We’re currently seeking a highly skilled systems engineer to provide the technical expertise to implement strategies, evaluate products, and build upon an infrastructure that supports the needs of our product. In this role, you will work with the systems, designing, developing, and integrating them at every stage of its life cycle. If you’re reliable in delivering mission-critical infrastructure with an eye toward accessibility, optimization, and security, we’d like to hear from you.
Applicants should have excellent verbal and written communication skills and be available for an interview (for questions contact Mr. Lucas Costa at lfidelescosta@ufl.edu).

Qualifications:

1. Must have prior experience in designing a system based on AWS.
2. Must have proficiency in AWS services and their applications.
3. Must be able to display keenness in evaluating various AWS services and find the appropriate service for a use case.
4. Must be able to do a cost analysis for the system.
5. Having experience as a fullstack developer and expertise in React is an added bonus.
6. Having experience as a devOps engineer is an added bonus.
7. Must be eligible and available to work for 15-20 hrs per week.
8. Expertise in creating, analyzing, and repairing large-scale distributed systems
9. Knowledge of Git or other version control

Role description and responsibilities:

1. Manage and monitor all infrastructure and system installations, including configurations and maintenance.
2. Implement and maintain backups, security, and redundancy strategies.
3. Design a new architecture for the system.
4. Offer expertise in evaluating the appropriate AWS service for the new architecture.
5. Maintain the infrastructure and offer expertise on betterment of the system.
Application Deadline Date: Position open until filled; application review begins immediately.

Advertised salary: $15-20/h based on qualifications

Application: The application package must include an application letter detailing candidate's qualifications and experience relative to the position description, curriculum vitae, and unofficial transcripts. For questions, contact Mr. Lucas Costa at llidelescosta@ufl.edu. Send the package by email to this address.

Setting:
Established in 1958 as a University of Florida support facility, the Southwest Florida Research and Education Center (SWFREC) was dedicated in 1986 as a UF/Institute of Food and Agricultural Sciences (IFAS) station. The mission of the Southwest Florida Research and Education Center (SWFREC) is to supply decision-makers with specific knowledge to sustain and enhance agricultural, human, and natural resources through nationally and internationally recognized research, extension, and teaching programs. The Agricultural and Biological Engineering Department has an award-winning faculty, with over 30 faculty members located on both the UF campus and at Research and Education Centers around the state. For more information check SWFREC- http://www.imok.ufl.edu and ABE - http://www.abe.ufl.edu.