AWS Cloud Developer Needed to Deploy Financial Tools (Python-Based) for Pearson Creek Labs

Project Overview:

We're looking for a freelance **cloud engineer or full-stack developer** to help us build and deploy a suite of Python-based financial tools within a secure, scalable AWS environment.

This role supports the launch of **Pearson Creek Labs** — a new internal R&D environment under Pearson Creek Capital Management. The project involves setting up a password-protected AWS sandbox where we can host in-development and production-ready tools, starting with two:

1. **Margin Calculator**
2. **Performance Matrix**

These tools have already been partially built in Python and now need to be packaged into an internal user-friendly web application. We're also planning to eventually add monetization through subscriptions, light advertising, or gated access.

This position will work directly with our internal quant (Benson), who built the models, and will report to him throughout the engagement. The ideal candidate has experience with AWS, Python deployments, and building clean, reliable cloud infrastructure.

What You'll Be Doing:

- Set up a secure **AWS-based sandbox environment** to house Pearson Creek Labs
- Deploy two existing Python tools as web applications:
    - Margin Calculator
    - Performance Matrix (includes heatmap visualization)
- Implement **password protection** and basic user access control (e.g., free vs paid tiers)
- Ensure tools are **secure, scalable, and cost-controlled**
- Optionally assist with **light front-end work** to make the apps clean and usable
- Support SEO optimization and lay the foundation for potential monetization

Ideal Tech Stack:

- **Cloud:** AWS (must-have)
- **Backend:** Python (Flask, FastAPI, or Django)
- **Frontend:** Basic HTML/CSS/JS or React
- **DevOps:** Docker, GitHub, CI/CD workflows
- **Nice-to-haves:**
    - Experience with financial data visualization (charts, tables, heatmaps)
    - Stripe or payment system integration
    - Experience with subscription tools or gated content

Timeline:

- **Project kickoff:** ASAP
- **Target go-live for sandbox + tools: July 27**
- This may grow into an ongoing relationship if it's a good fit.

Please Include in Your Proposal:

- Your preferred **cloud platform** and why (we are using AWS)

- Examples of similar **cloud deployments or hosted Python apps** you've done
- A rough **estimate of hours** to set up the sandbox and deploy the two tools