

Q&A;: GreenTech - Backend Developer

Q: Why are you interested in GreenTech?

A: I'm drawn to GreenTech's commitment to sustainability and the opportunity to contribute to a mission-driven organization. The backend developer role specifically excites me because it aligns with my passion for designing scalable and efficient systems, which I believe is crucial for supporting GreenTech's growth and impact. My experience in optimizing backend performance, as demonstrated in the Dolores project, makes me confident I can contribute to GreenTech's success.

Q: Explain your experience with cloud platforms.

A: I have hands-on experience with AWS, Firebase, Heroku, and Netlify, deploying and managing applications across various projects. In the Dolores project, I deployed the backend on an AWS EC2 instance, horizontally scaled it, and implemented load balancing with NGINX. Furthermore, I'm proficient in Docker, which I've used to containerize applications for consistent deployment across different cloud environments, ensuring smooth and reliable operations.

Q: Describe a backend project you are proud of.

A: I'm particularly proud of the Dolores project where I optimized an existing backend to handle high user traffic. I ETL'd over 10 million records with PostgreSQL and significantly improved performance by implementing Redis data caching, achieving a 60ms response time under heavy stress testing. This project showcases my ability to not only design and deploy backend systems but also to optimize them for scalability and performance, crucial skills for a backend developer at GreenTech.