Copilot

Certainly! Here's a concise description for your Vercel clone project that you can include in your resume:

Project Description: Vercel Clone

The **Vercel Clone** is a powerful platform designed to build and deploy user projects seamlessly. It leverages cutting-edge technologies to provide an efficient and reliable development experience. Here are the key features and components:

1. **Building and Deployment:**

   - Capable of building and deploying user projects automatically.
   - Utilizes Docker to create isolated environments for each project.

2. **Special Features:**

   - **Reverse Proxy:**
     - A reverse proxy service maps randomly generated slug subdomains to specific buckets in AWS S3.
     - Ensures high efficiency by streaming data directly from S3, reducing memory usage and saving bandwidth.
   - **Parallel Code Builds:**
     - Employs parallel processing to speed up code builds.
     - Multiple builds can run concurrently, enhancing productivity.

3. **Technology Stack:**

   - **Docker:** Provides isolated environments for project execution.
   - **Express:** Sets up the API server responsible for automating Docker setup using AWS ECS.
   - **Socket.IO:** Subscribes to build logs, keeping users informed.
   - **Redis:** High-throughput service for storing user logs during builds.
   - **AWS S3:** Stores project files efficiently.
   - **AWS ECR:** Container registry for Docker images.
   - **AWS ECS:** Orchestrates Docker containers for seamless deployment.

The Vercel Clone streamlines development workflows, enhances performance, and ensures a smooth user experience. 🚀

Feel free to customize this description to fit your specific achievements and contributions within the project. If you need further assistance or have any other requests, feel free to ask! 😊