**📌 Phase 1: Project Setup & Authentication**

**1️⃣ Set Up the Project**

* Initialize a **React.js app** (Next.js optional for SEO benefits).
* Set up **Firebase for authentication** (Google Sign-in).

**2️⃣ Implement User Authentication**

* Users can log in via **Google OAuth**.
* Display basic **user info (name, email, profile picture)** after login.
* Store minimal **user metadata** (Firebase Firestore or PostgreSQL).

**📌 Phase 2: Resume Upload & AI Processing**

**3️⃣ Upload Resume & Cover Letter (Temporary Use)**

* Implement **file upload** (PDF/DOCX).
* Use **client-side processing** (avoid storing resumes).
* Extract text from resumes using **Tika.js, pdf.js, or OpenAI Vision API**.

**4️⃣ Train AI Chatbot on Resume Data**

* Use **OpenAI API (GPT-4-turbo) or fine-tuned LLM**.
* Convert extracted **resume data into structured Q&A**.
* Store **chatbot responses** in a database (Firebase Firestore or PostgreSQL).

**📌 Phase 3: Chatbot Deployment**

**5️⃣ Generate Unique Chatbot Link**

* Create a **public chatbot page** for each user.
* Generate **a unique URL (e.g., botfolio.app/user123)**.
* Store link in the database and provide to the user.

**6️⃣ Build the Chatbot UI**

* Implement a **React chatbot interface** using **Chat UI libraries**.
* Allow recruiters to ask questions **based on resume data**.
* AI should answer using **resume-specific details**.

**📌 Phase 4: Enhancements & Deployment**

**7️⃣ User Dashboard**

* Show **chatbot link** for sharing on LinkedIn or resumes.
* Option to **edit/update chatbot answers**.

**8️⃣ Analytics & Logs (Optional)**

* Show recruiter **questions & chatbot responses** in a log.
* Allow users to **see recruiter interactions**.

**9️⃣ Hosting & Deployment**

* **Frontend:** Vercel (for free Next.js hosting) or Netlify.
* **Backend:** Firebase Functions or a free-tier **Express.js backend** on Render.
* **Database:** Firebase Firestore (NoSQL) or PostgreSQL (if needed).
* **AI Processing:** OpenAI API (GPT-4 free-tier) or custom model.

**📌 Phase 5: Future Features (If Needed)**

* **Multiple Resume Versions**: Users can create multiple bots for different job applications.
* **Voice Support**: Allow recruiters to talk to the chatbot.
* **Premium Features**: Offer paid access to detailed analytics.