FrontEnd

```
# Stage 1: Build the project
FROM node:18-alpine AS builder

WORKDIR /build

# Copy package files and install dependencies
COPY package*.json .

RUN npm ci

# Copy the rest of the source code and build
COPY . .

RUN npm run build
RUN npm prune --omit=dev

# Stage 2: Serve the `dist` folder
FROM node:18-alpine AS runner

WORKDIR /app

# Copy the built frontend from the builder stage
COPY --from=builder /build/dist dist/
COPY --from=builder /build/package*.json .
COPY --from=builder /build/node_modules ./node_modules

# Expose the port
EXPOSE 5173

# Start the server
CMD ["npx", "serve", "-s", "dist", "-l", "5173"]
```

```
PS D:\Code-Sync-main\Code Collab\client> docker build -t client-app .
[+] Building 50.1s (11/16)                                      docker:desktop-linux
 => [internal] load build definition from Dockerfile                            0.0s
 => => transferring dockerfile: 689B                                            0.0s
 => [internal] load metadata for docker.io/library/node:18-alpine              2.7s
 => [auth] library/node:pull token for registry-1.docker.io                    0.0s
 => [internal] load .dockerignore                                              0.0s
 => => transferring context: 58B                                               0.0s
 => [builder 1/7] FROM docker.io/library/node:18-alpine@sha256:8d6421d663b4c28fd3ebc498332f249011d118  5.6s
 => => resolve docker.io/library/node:18-alpine@sha256:8d6421d663b4c28fd3ebc498332f249011d118945588d0  0.0s
 => => sha256:25ff2da83641908f65c3a74d80409d6b1b62ccfaab220b9ea70b80df5a2e0549 446B / 446B            0s
 => => resolve docker.io/library/node:18-alpine@sha256:8d6421d663b4c28fd3ebc498332f249011d118945588d0  0.0s
 => => sha256:25ff2da83641908f65c3a74d80409d6b1b62ccfaab220b9ea70b80df5a2e0549 446B / 446B            0.3s
s
 => => resolve docker.io/library/node:18-alpine@sha256:8d6421d663b4c28fd3ebc498332f249011d118945588d0  0.0s
 => => sha256:25ff2da83641908f65c3a74d80409d6b1b62ccfaab220b9ea70b80df5a2e0549 446B / 446B            0.3s
s
 => => resolve docker.io/library/node:18-alpine@sha256:8d6421d663b4c28fd3ebc498332f249011d118945588d0  0.0s
 => => sha256:25ff2da83641908f65c3a74d80409d6b1b62ccfaab220b9ea70b80df5a2e0549 446B / 446B            0.3s
 => => sha256:1e5a4c89cee5c0826c540ab06d4b6b491c96eda01837f430bd47f0d26702d6e3 1.26MB / 1.26MB        0.6s
 => => sha256:dd71dde834b5c203d162902e6b8994cb2309ae049a0eabc4efea161b2b5a3d0e 40.01MB / 40.01MB      4.8s
 => => sha256:f18232174bc91741fdf3da96d85011092101a032a93a388b79e99e69c2d5c870 3.64MB / 3.64MB        2.8s
 => => extracting sha256:f18232174bc91741fdf3da96d85011092101a032a93a388b79e99e69c2d5c870            0.1s
 => => extracting sha256:dd71dde834b5c203d162902e6b8994cb2309ae049a0eabc4efea161b2b5a3d0e  [+] Building 50.2s (11/16)
docker:desktop-linux> extracting sha256:1e5a4c89cee5c0826c540ab06d4b6b491c96eda01837f430bd47f0d26702d6e3
 => [internal] load build definition from Dockerfile                            0.0s> extracting sha256:25ff2da83641908f65c3a74d80409d6b1b62ccfaab220b9ea70b80df5a2e05
49
 => => transferring dockerfile: 689B                                            0.0sinternal] load build context
 => [internal] load metadata for docker.io/library/node:18-alpine              2.7s> transferring context: 768.47kB
 => [auth] library/node:pull token for registry-1.docker.io                    0.0sbuilder 2/7] WORKDIR /build
 => [internal] load .dockerignore                                              0.0srunner 2/5] WORKDIR /app
 => => transferring context: 58B                                               0.0sbuilder 3/7] COPY package*.json ./
 => [builder 1/7] FROM docker.io/library/node:18-alpine@sha256:8d6421d663b4c28fd3ebc498332f249011d118  5.6sbuilder 4/7] RUN npm ci
 => => resolve docker.io/library/node:18-alpine@sha256:8d6421d663b4c28fd3ebc498332f249011d118945588d0  0.0sbuilder 5/7] COPY . .
```

```
=> => resolve docker.io/library/node:18-alpine@sha256:8d6421d663b4c28fd3ebc498332f249011d118945588d0  0.0sbuilder 5/7] COPY . .

=> => sha256:25ff2da83641908f65c3a74d80409d6b1b62ccfaab220b9ea70b80df5a2e0549 446B / 446B                0.3sbuilder 6/7] RUN npm run build

=> => sha256:1e5a4c89cee5c0826c540ab06d4b6b491c96eda01837f430bd47f0d26702d6e3 1.26MB / 1.26MB            0.6s> # > code-collab-client@0.0.0 build

=> => sha256:dd71dde834b5c203d162902e6b8994cb2309ae049a0eabc4efea161b2b5a3d0e 40.01MB / 40.01MB         4.8s> # > tsc && vite build

=> => sha256:f18232174bc91741fdf3da96d850011092101a032a93a388b79e99e69c2d5c870 3.64MB / 3.64MB           2.8s> # vite v6.2.2 building for production...

=> => extracting sha256:f18232174bc91741fdf3da96d850011092101a032a93a388b79e99e69c2d5c870                0.1s> # transforming...

=> => extracting sha256:dd71dde834b5c203d162902e6b8994cb2309ae049a0eabc4efea161b2b5a3d0e                 0.7s> # √ 2670 modules transformed.

=> => extracting sha256:1e5a4c89cee5c0826c540ab06d4b6b491c96eda01837f430bd47f0d26702d6e3
0.0s
=> => extracting sha256:25ff2da83641908f65c3a74d80409d6b1b62ccfaab220b9ea70b80df5a2e0549
0.6s[builder 5/7] COPY . .
=> => sha256:dd71dde834b5c203d162902e6b8994cb2309ae049a0eabc4efea161b2b5a3d0e 40.01MB / 40.01MB          4.8s[builder 6/7] RUN npm run build
             1
=> => sha256:f18232174bc91741fdf3da96d850011092101a032a93a388b79e99e69c2d5c870 3.64MB / 3.64MB           2.8s=> # > code-collab-client@0.0.0 build

=> => extracting sha256:f18232174bc91741fdf3da96d850011092101a032a93a388b79e99e69c2d5c870                0.1s=> # vite v6.2.2 building for production...

=> => extracting sha256:dd71dde834b5c203d162902e6b8994cb2309ae049a0eabc4efea161b2b5a3d0e                 0.7s=> # √ 2670 modules transformed.


[+] Building 50.4s (11/16)                                        docker:desktop-linux
=> [internal] load build definition from Dockerfile                              0.0s
=> => transferring dockerfile: 689B                                              0.0s
=> [internal] load metadata for docker.io/library/node:18-alpine                 2.7s
=> [auth] library/node:pull token for registry-1.docker.io                       0.0s
=> [internal] load .dockerignore                                                 0.0s
=> => transferring context: 58B                                                  0.0s
=> [builder 1/7] FROM docker.io/library/node:18-alpine@sha256:8d6421d663b4c28fd3ebc498332f249011d118   5.6s
=> => resolve docker.io/library/node:18-alpine@sha256:8d6421d663b4c28fd3ebc498332f249011d118945588d0   0.0s
=> => sha256:25ff2da83641908f65c3a74d80409d6b1b62ccfaab220b9ea70b80df5a2e0549 446B / 446B                0.3s
=> => sha256:1e5a4c89cee5c0826c540ab06d4b6b491c96eda01837f430bd47f0d26702d6e3 1.26MB / 1.26MB            0.6s
=> => sha256:dd71dde834b5c203d162902e6b8994cb2309ae049a0eabc4efea161b2b5a3d0e 40.01MB / 40.01MB          4.8s
=> => sha256:f18232174bc91741fdf3da96d850011092101a032a93a388b79e99e69c2d5c870 3.64MB / 3.64MB           2.8s
=> => extracting sha256:f18232174bc91741fdf3da96d850011092101a032a93a388b79e99e69c2d5c870                0.1s
=> => extracting sha256:dd71dde834b5c203d162902e6b8994cb2309ae049a0eabc4efea161b2b5a3d0e                 0.7s
```

```
=> [internal] load metadata for docker.io/library/node:18-alpine                    2.7s
=> [auth] library/node:pull token for registry-1.docker.io                          0.0s
=> [internal] load .dockerignore                                                    0.0s
=> => transferring context: 58B                                                     0.0s
=> [builder 1/7] FROM docker.io/library/node:18-alpine@sha256:8d6421d663b4c28fd3ebc498332f2490    5.6s
=> => resolve docker.io/library/node:18-alpine@sha256:8d6421d663b4c28fd3ebc498332f249011d11894    0.0s
=> => sha256:25ff2da83641908f65c3a74d80409d6b1b62ccfaab220b9ea70b80df5a2e0549 446B / 446B         0.3s
=> => sha256:1e5a4c89cee5c0826c540ab06d4b6b491c96eda01837f430bd47f0d26702d6e3 1.26MB / 1.26MB     0.6s
=> => sha256:dd71dde834b5c203d162902e6b8994cb2309ae049a0eabc4efea161b2b5a3d0 40.01MB / 40.01MB    4.8s
=> => sha256:f18232174bc91741fdf3da96d85011092101a032a93a388b79e99e69c2d5c870 3.64MB / 3.64MB     2.8s
=> => extracting sha256:f18232174bc91741fdf3da96d85011092101a032a93a388b79e99e69c2d5c870          0.1s
=> => extracting sha256:dd71dde834b5c203d162902e6b8994cb2309ae049a0eabc4efea161b2b5a3d0e          0.7s
=> => extracting sha256:1e5a4c89cee5c0826c540ab06d4b6b491c96eda01837f430bd47f0d26702d6e3          0.0s
=> => extracting sha256:25ff2da83641908f65c3a74d80409d6b1b62ccfaab220b9ea70b80df5a2e0549          0.0s
=> [internal] load build context                                                    0.1s
=> => transferring context: 768.47kB                                                0.0s
=> [builder 2/7] WORKDIR /build                                                     0.1s
=> [runner 2/5] WORKDIR /app                                                        0.1s
=> [builder 3/7] COPY package*.json ./                                              0.0s
=> [builder 4/7] RUN npm ci                                                         26.3s
=> [builder 5/7] COPY . .                                                           0.2s
=> [builder 6/7] RUN npm run build                                                  16.7s
=> [builder 7/7] RUN npm prune --omit=dev                                           3.2s
=> [runner 3/5] COPY --from=builder /build/dist dist/                               0.0s
=> [runner 4/5] COPY --from=builder /build/package*.json ./                         0.1s
=> [runner 5/5] COPY --from=builder /build/node_modules ./node_modules              1.1s
=> exporting to image                                                               7.3s
=> => exporting layers                                                              5.3s
=> => exporting manifest sha256:74909f5b2e1460dbbdac41b5fa319f614c171f94d0579c8f7c63f192838569     0.0s
=> => exporting config sha256:4c879ae7b658ca824d453b89ac1aeac47cfa8e175489a2ddcd21f8ea96b39505     0.0s
=> => exporting attestation manifest sha256:59f2d68aea5a822fe9ad1f4e4f9071fef6e7c4e78de3358fd3     0.0s
=> => exporting manifest list sha256:3796a6511f45413ba45c907202e520a4afa8baa35deefb5987c5c6c78     0.0s
=> => naming to docker.io/library/client-app:latest                                 0.0s
=> => unpacking to docker.io/library/client-app:latest                              2.0s

View build details: docker-desktop://dashboard/build/desktop-linux/desktop-linux/w5055eupf7yx033mtr5n1qz0v
PS D:\Code-Sync-main\Code Collab\client> docker run -p 5173:5173 client-app
npm warn exec The following package was not found and will be installed: serve@14.2.4
 INFO  Accepting connections at http://localhost:5173
```

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	Name	Container ID	Image	Port(s)	CPU (%)	Last started	Actions
☐ ⬤	optimistic_mirzakhani	cbacf530d2e1	client-app	5173:5173 ⤢	0%	3 minutes ago	▆ ⋮ 🗑

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