

Liquity Bold Frontend — GitHub + Vercel Deploy Guide

Deploy your own instance of the Liquity Bold frontend in about 15 minutes. No local dev environment needed.

What you'll need

- A [GitHub](#) account
- A [Vercel](#) account (free tier is fine)
- A **WalletConnect project ID** — free at <https://cloud.reown.com/app>
- A **subgraph API key** — free at <https://beta.graphseer.com> (or <https://thegraph.com/studio>)
- An **RPC endpoint** — free tier at <https://alchemy.com> (Ethereum mainnet app)

Step 1 — Fork the repository

1. Go to <https://github.com/liquity/bold>
2. Click **Fork** (top right) → **Create fork**

Step 2 — Fix the Vercel config in your fork

The original repo disables Vercel's GitHub integration (it's their setting, not yours). You need to change it.

In your forked repo on GitHub, open `vercel.json` (it's in the root), click the pencil icon to edit, and replace the entire file with:

```
{
  "framework": "nextjs"
}
```

Commit the change directly to `main`.

Step 3 — Create a new Vercel project

1. Go to <https://vercel.com/new>
2. Click **Import Git Repository** → select your forked `bold` repo
3. Under **Root Directory**, click **Edit** and set it to:

```
frontend/app
```

This is critical — the Next.js app lives in a subdirectory of the monorepo.

4. Vercel will auto-detect **Next.js** as the framework.
5. Under **Build & Development Settings**, set:
 - **Build Command**: `pnpm build-deps && pnpm build`
 - **Install Command**: `pnpm install --frozen-lockfile`
6. Do **not** click Deploy yet — set environment variables first (Step 4).

Step 4 — Set environment variables

In the Vercel project setup page, click **Environment Variables** and add each variable below.

Required — you must fill these in

Variable	Where to get it
NEXT_PUBLIC_WALLET_CONNECT_PROJECT_ID	https://cloud.reown.com/app → create a project
NEXT_PUBLIC_SUBGRAPH_URL	See options below
NEXT_PUBLIC_CHAIN_RPC_URL	https://alchemy.com → create an Ethereum mainnet app → copy the HTTPS URL

Subgraph URL — pick one:

- GraphSeer: https://graph-gateway.graphops.xyz/api/YOUR_KEY/subgraphs/id/6bg574MhrEZxopJDYTu7S7TAvJKEMsV111gpKLM7ZCA7
- The Graph: https://gateway.thegraph.com/api/YOUR_KEY/subgraphs/id/6bg574MhrEZxopJDYTu7S7TAvJKEMsV111gpKLM7ZCA7

Replace `YOUR_KEY` with your API key from the respective service.

Pre-filled — copy these exactly

Add all of the following. The values are the official Liquity mainnet contract addresses and settings — they don't change.

```
NEXT_PUBLIC_CHAIN_BLOCK_EXPLORER=Etherscan|https://etherscan.io
NEXT_PUBLIC_CHAIN_CONTRACT_MULTICALL=0xca11bde05977b3631167028862be2a173976ca11
NEXT_PUBLIC_CHAIN_CURRENCY=Ether|ETH|18
NEXT_PUBLIC_CHAIN_ID=1
NEXT_PUBLIC_CHAIN_NAME=Ethereum
NEXT_PUBLIC_DELEGATE_AUTO=0x0000000000000000000000000000000000000000000000000000000000000000
NEXT_PUBLIC_KNOWN_DELEGATES_URL=https://api.liquity.org/v2/known-delegates/ethereum.json
NEXT_PUBLIC_KNOWN_INITIATIVES_URL=https://api.liquity.org/v2/known-initiatives/ethereum.json
NEXT_PUBLIC_LIQUITY_STATS_URL=https://api.liquity.org/v2/ethereum.json
NEXT_PUBLIC_LIQUITY_GOVERNANCE_URL=https://api.liquity.org/v2/governance
NEXT_PUBLIC_AIRDROP_VAULTS_URL=https://api.liquity.org/v2/airdrop-vaults/ethereum.json
NEXT_PUBLIC_SAFE_API_URL=https://safe-transaction-mainnet.safe.global/api
NEXT_PUBLIC_SBOLD=0x50Bd66D59911F5e086Ec87aE43C811e0D059DD11
NEXT_PUBLIC_YBOLD=true
NEXT_PUBLIC_TROVE_EXPLORER_0=DeFi Explore|https://liquityv2.defiexplore.com/trove/{branch}/{troveId}
NEXT_PUBLIC_TROVE_EXPLORER_1=Rails|https://rails.finance/explorer/trove/{troveId}/{branch}
NEXT_PUBLIC_COLL_0_TOKEN_ID=ETH
NEXT_PUBLIC_COLL_1_TOKEN_ID=WBETH
NEXT_PUBLIC_COLL_2_TOKEN_ID=RETH
NEXT_PUBLIC_COLL_0_CONTRACT_ACTIVE_POOL=0xeb5a8c825582965f1d84606e078620a84ab16afe
NEXT_PUBLIC_COLL_0_CONTRACT_ADDRESSES_REGISTRY=0x20f7c9ad66983f6523a0881d0f82406541417526
NEXT_PUBLIC_COLL_0_CONTRACT_BORROWER_OPERATIONS=0x372abd1810eaf23cb9d941bbe7596dfb2c46bc65
NEXT_PUBLIC_COLL_0_CONTRACT_COLL_SURPLUS_POOL=0xedbe2509e502c0320d2e7f8b6746a49b4b50e2bf
NEXT_PUBLIC_COLL_0_CONTRACT_COLL_TOKEN=0xc02aaa39b223fe8d0a0e5c4f27ead9083c756cc2
NEXT_PUBLIC_COLL_0_CONTRACT_DEFAULT_POOL=0xd4558240d50c2e219a21c9d25afd513bb6e5b1a0
NEXT_PUBLIC_COLL_0_CONTRACT_LEVERAGE_ZAPPER=0xdccb7a365aee086aa3b4ede8afe895b20770ae3
NEXT_PUBLIC_COLL_0_CONTRACT_PRICE_FEED=0xcc5f8102eb670c89a4a3c567c13851260303c24f
NEXT_PUBLIC_COLL_0_CONTRACT_SORTED_TROVES=0xa25269e41bd072513849f2e64ad221e84f3063f4
NEXT_PUBLIC_COLL_0_CONTRACT_STABILITY_POOL=0x5721cbbd64fc7ae3ef44a0a3f9a790a9264cf9bf
NEXT_PUBLIC_COLL_0_CONTRACT_TROVE_MANAGER=0x7bc6b4b2c9206a5b699ed43363f6f98d4776cf5a
NEXT_PUBLIC_COLL_0_CONTRACT_TROVE_NFT=0x1a0fc0b843afd9140267d25d4e575cb37a838013
NEXT_PUBLIC_COLL_1_CONTRACT_ACTIVE_POOL=0x531a8f99c70d6a56a7cee02d6b4281650d7919a0
NEXT_PUBLIC_COLL_1_CONTRACT_ADDRESSES_REGISTRY=0x8d733f7ea7c23bea7c613b6ebd845d46d3aac54
NEXT_PUBLIC_COLL_1_CONTRACT_BORROWER_OPERATIONS=0xa741a32f9dcfe6adba088fd0f97e90742d7d5da3
NEXT_PUBLIC_COLL_1_CONTRACT_COLL_SURPLUS_POOL=0x36e6cbdf68f64cf00fc3a6c634a25be32dd0a235
NEXT_PUBLIC_COLL_1_CONTRACT_COLL_TOKEN=0x7f39c581f595b53c5cb19bd0b3f8da6c935e2ca0
NEXT_PUBLIC_COLL_1_CONTRACT_DEFAULT_POOL=0xd796e1648526400386cc4d12fa05e5f11e6a22a1
NEXT_PUBLIC_COLL_1_CONTRACT_LEVERAGE_ZAPPER=0xe85230de04147c4ea363b21cdb801c1c19df0a56
NEXT_PUBLIC_COLL_1_CONTRACT_PRICE_FEED=0xe7aa2ba9e086a379d3beb224098bc634a46e314e
NEXT_PUBLIC_COLL_1_CONTRACT_SORTED_TROVES=0x84eb85a8c25049255614f0536bea8f31682e86f1
NEXT_PUBLIC_COLL_1_CONTRACT_STABILITY_POOL=0x9502b7c397e9aa22fe9db7ef7daf21cd2aebe56b
NEXT_PUBLIC_COLL_1_CONTRACT_TROVE_MANAGER=0xa2895d6a3bf110561dfe4b71ca539d84e1928b22
NEXT_PUBLIC_COLL_1_CONTRACT_TROVE_NFT=0x857aecebf75f1012dc18e15020c97096aea31b04
NEXT_PUBLIC_COLL_2_CONTRACT_ACTIVE_POOL=0x9074d72cc82dad1e13e454755aa8f144c479532f
NEXT_PUBLIC_COLL_2_CONTRACT_ADDRESSES_REGISTRY=0x6106046f031a22713697e04c08b330ddaf3e8789
NEXT_PUBLIC_COLL_2_CONTRACT_BORROWER_OPERATIONS=0xe8119fc02953b27a1b48d2573855738485a17329
NEXT_PUBLIC_COLL_2_CONTRACT_COLL_SURPLUS_POOL=0xba4a2bd8b76df84cac98eba3f4b967d8423192bf
NEXT_PUBLIC_COLL_2_CONTRACT_COLL_TOKEN=0xae78736cd615f374d3085123a210448e74fc6393
NEXT_PUBLIC_COLL_2_CONTRACT_DEFAULT_POOL=0x5cc5cef034fdc4728d487a72ca58a410cddcd6b
NEXT_PUBLIC_COLL_2_CONTRACT_LEVERAGE_ZAPPER=0x75036b1d6de5665c60f5c33bb4a64e8e123211a2
NEXT_PUBLIC_COLL_2_CONTRACT_PRICE_FEED=0x34f1e9c7dcc279ec70d3c4488eb2d80fba8b7b2b
```

```
NEXT_PUBLIC_COLL_2_CONTRACT_SORTED_TROVES=0x14d8d8011df2b396ed2bbc4959bb73250324f386
NEXT_PUBLIC_COLL_2_CONTRACT_STABILITY_POOL=0xd442e41019b7f5c4dd78f50dc03726c446148695
NEXT_PUBLIC_COLL_2_CONTRACT_TROVE_MANAGER=0xb2b2abeb5c357a234363ff5d180912d319e3e19e
NEXT_PUBLIC_COLL_2_CONTRACT_TROVE_NFT=0x7ae430e25b67f19b431e1d1dc048a5bcf24c0873
NEXT_PUBLIC_CONTRACT_BOLD_TOKEN=0x6440f144b7e50d6a8439336510312d2f54beb01d
NEXT_PUBLIC_CONTRACT_COLLATERAL_REGISTRY=0xf949982b91c8c61e952b3ba942cbbfaef5386684
NEXT_PUBLIC_CONTRACT_DEBT_IN_FRONT_HELPER=0x4bb5e28fdb12891369b560f2fab3c032600677c6
NEXT_PUBLIC_CONTRACT_EXCHANGE_HELPERS=0x2f60bab0072abec7058017f48d7256ec288c8686
NEXT_PUBLIC_CONTRACT_EXCHANGE_HELPERS_V2=0xe453b864d3841469763bda2437e3dd0e38dca222
NEXT_PUBLIC_CONTRACT_GOVERNANCE=0x807def5e7d057df05c796f4bc75c3fe82bd6eee1
NEXT_PUBLIC_CONTRACT_HINT_HELPERS=0xf0cae19c96e572234398d6665cc1147a16cbe657
NEXT_PUBLIC_CONTRACT_LQTY_STAKING=0x4f9fbb3f1e99b56e0fe2892e623ed36a76fc605d
NEXT_PUBLIC_CONTRACT_LQTY_TOKEN=0x6dea81c8171d0ba574754ef6f8b412f2ed88c54d
NEXT_PUBLIC_CONTRACT_LUSD_TOKEN=0x5f98805a4e8be255a32880fdec7f6728c6568ba0
NEXT_PUBLIC_CONTRACT_MULTI_TROVE_GETTER=0xfa61db085510c64b83056db3a7acf3b6f631d235
NEXT_PUBLIC_CONTRACT_REDEMPTION_HELPER=0xb366256d033ae7e4f7bddec822a5adec9df07b80
NEXT_PUBLIC_CONTRACT_V1_STABILITY_POOL=0x66017D22b0f8556afDd19FC67041899Eb65a21bb
NEXT_PUBLIC_CONTRACT_WETH=0xc02aaa39b223fe8d0a0e5c4f27ead9083c756cc2
```

Tip: In Vercel you can paste all of the above as a block using the `.env` paste feature — click "Add" → paste the full block and Vercel will parse each line automatically.

Step 5 — Deploy

Click **Deploy**. The first build takes 3–5 minutes (it builds the uikit component library plus the Next.js app).

When it finishes, Vercel gives you a URL like `your-project.vercel.app`. That's your live app.

Every time you push a commit to the `main` branch of your fork, Vercel automatically redeploys.

Troubleshooting

Symptom	Fix
Build fails with "Command not found: pnpm"	In Vercel project settings → General → Node.js version, make sure it's 20.x
Build fails on build-deps with schema error	Check that NEXT_PUBLIC_SUBGRAPH_URL is set and the API key is valid
App loads but wallet won't connect	Check NEXT_PUBLIC_WALLET_CONNECT_PROJECT_ID is set correctly
App loads but prices / data missing	Check NEXT_PUBLIC_SUBGRAPH_URL — open browser console for the exact error
vercel.json blocks auto-deploy	Make sure you completed Step 2 and replaced the file content