Dev Branch Setup - Summary

✅ What Was Done

Files Modified/Created

File	Status	Purpose
`quick-dev-setup.sh`	Modified	Now uses placeholder API keys
`inject-dev-keys.sh`	Created (local)	Contains real keys, git-ignored
`.gitignore`	Updated	Excludes inject-dev-keys.sh
`README.dev.md`	Updated	Two-step setup instructions

GitHub Push Status

✅ **Successfully pushed to dev branch**
- URL: https://github.com/DebuggerLab/ai-orchestrator/tree/dev
- No secrets in version control

🚀 How to Use (For Users)

One-Liner Command

```
./quick-dev-setup.sh && ./inject-dev-keys.sh
```

Step-by-Step

```
# 1. Clone and checkout dev
git clone https://github.com/DebuggerLab/ai-orchestrator.git
cd ai-orchestrator
git checkout dev

# 2. Run setup (creates config with placeholders)
./quick-dev-setup.sh

# 3. Inject real keys (you need inject-dev-keys.sh locally)
./inject-dev-keys.sh

# 4. Ready to use!
source venv/bin/activate
ai-orchestrator --help
```
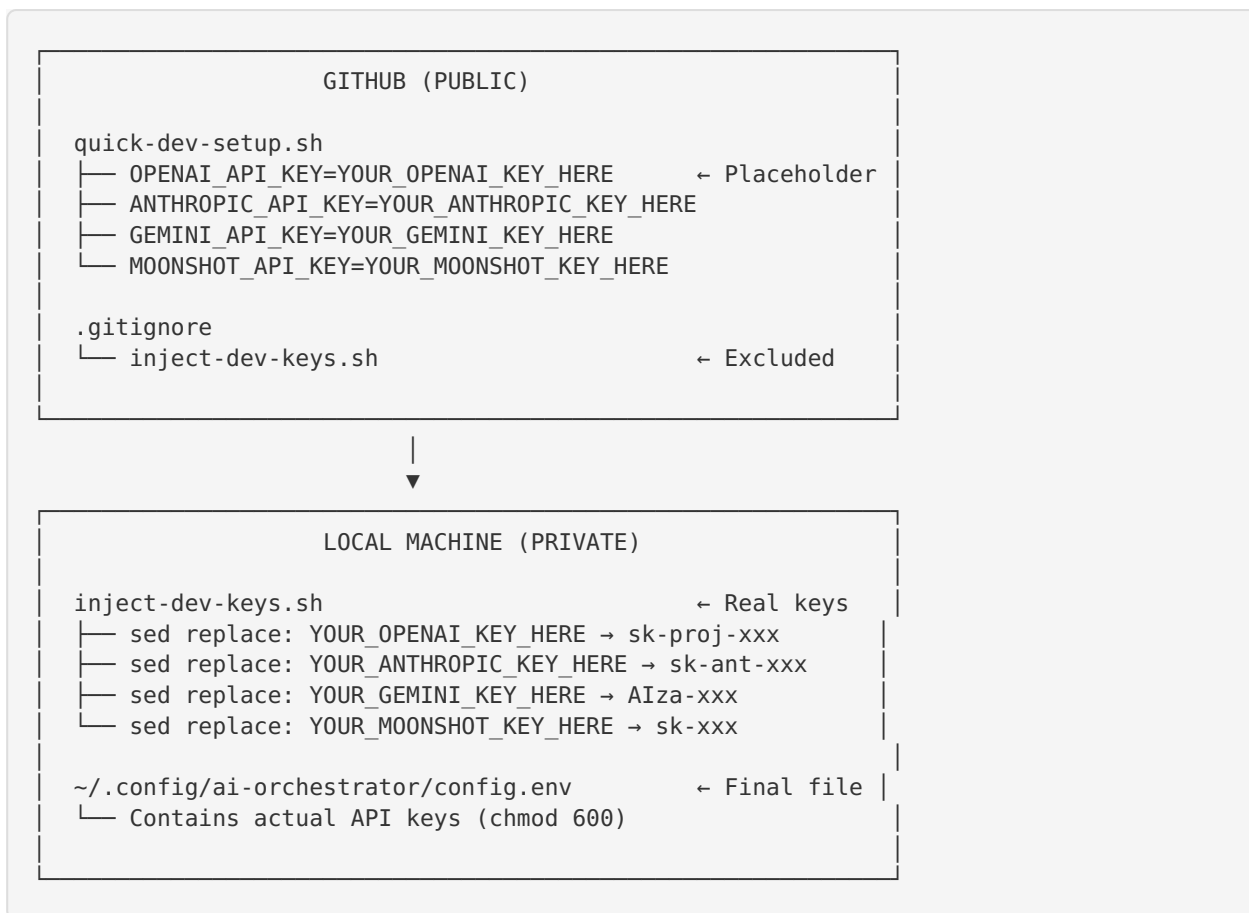
🔐 How Keys Stay Secure

```
┌─────────────────────────────────────────────────────────┐
│                    GITHUB (PUBLIC)                      │
│                                                         │
│ quick-dev-setup.sh                                      │
│ ├── OPENAI_API_KEY=YOUR_OPENAI_KEY_HERE     ← Placeholder │
│ ├── ANTHROPIC_API_KEY=YOUR_ANTHROPIC_KEY_HERE           │
│ ├── GEMINI_API_KEY=YOUR_GEMINI_KEY_HERE                 │
│ └── MOONSHOT_API_KEY=YOUR_MOONSHOT_KEY_HERE             │
│                                                         │
│ .gitignore                                              │
│ └── inject-dev-keys.sh                      ← Excluded  │
│                                                         │
└─────────────────────────────────────────────────────────┘

                            │
                            ▼

┌─────────────────────────────────────────────────────────┐
│                 LOCAL MACHINE (PRIVATE)                 │
│                                                         │
│ inject-dev-keys.sh                         ← Real keys  │
│ ├── sed replace: YOUR_OPENAI_KEY_HERE → sk-proj-xxx     │
│ ├── sed replace: YOUR_ANTHROPIC_KEY_HERE → sk-ant-xxx   │
│ ├── sed replace: YOUR_GEMINI_KEY_HERE → AIza-xxx        │
│ └── sed replace: YOUR_MOONSHOT_KEY_HERE → sk-xxx        │
│                                                         │
│ ~/.config/ai-orchestrator/config.env       ← Final file │
│ └── Contains actual API keys (chmod 600)                │
│                                                         │
└─────────────────────────────────────────────────────────┘
```

📋 inject-dev-keys.sh Location

The `inject-dev-keys.sh` file with real API keys is available locally at:

```
/home/ubuntu/ai_orchestrator/inject-dev-keys.sh
```

This file is **NOT** committed to Git. Share it securely with team members if needed.

🔑 API Keys Reference

The inject script contains these keys:
- **OpenAI**: `sk-proj-N8qr...B6FMA`
- **Anthropic**: `sk-ant-api03-b-GiSm...wAA`
- **Gemini**: `AIzaSyCVXCLo...vuN0`
- **Moonshot**: `sk-PoGI4yv...JUL6`

✨ Done!

The dev branch is now ready for secure development. Users can set up their environment without exposing API keys to GitHub.