# **Technical Onboarding Guide**

**Nexora Technologies** *Last updated: July 2025*

## **👋 Welcome**

Welcome to the Engineering Team at **Nexora Technologies**! This guide will walk you through everything you need to get up and running with our codebase, tools, environments, and workflows.

## **1. 🧭 Source Code Access**

### **🔑 GitHub Access**

* Repo: [github.com/nexora-tech](https://github.com/nexora-tech)
* Access: You’ll receive a GitHub invitation via your company email.
* Organization: nexora-tech

### **📁 Key Repositories**

| **Repo Name** | **Description** |
| --- | --- |
| nexora-app | Main web app (frontend + backend) |
| nexora-api | Public and internal REST API |
| nexora-data | Data pipelines & ETL |
| infra-terraform | Infrastructure as code (AWS, Terraform) |
| rag-agent | Internal RAG assistant project (LLM-based) |

Clone a repo using:

bash

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git clone git@github.com:nexora-tech/nexora-app.git

Use **SSH keys** for GitHub access. See [GitHub SSH setup](https://docs.github.com/en/authentication/connecting-to-github-with-ssh).

## **2. 💻 Local Dev Environment**

### **🐳 Docker (preferred)**

We use Docker Compose for a unified local stack:

bash

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cd nexora-app

docker-compose up --build

### **🧱 Manual Setup (Node + Python)**

* Node.js: v18+
* Python: 3.11
* PostgreSQL: v14
* Redis: v6

Create .env from .env.example in each repo and configure variables (you’ll get API keys on Slack).

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## **3. 🔐 Logins & Accounts**

| **Tool** | **Use Case** | **URL** | **Login Method** |
| --- | --- | --- | --- |
| GitHub | Code management | [github.com](https://github.com) | Invite → Company Email |
| Linear | Task tracking | [linear.app](https://linear.app) | Google SSO |
| Notion | Docs & Specs | [notion.so](https://notion.so) | Google SSO |
| AWS Console | Infrastructure | [console.aws.amazon.com](https://console.aws.amazon.com) | IAM role (MFA enabled) |
| Vercel | Frontend Deployments | [vercel.com](https://vercel.com) | GitHub SSO |
| Slack | Communication | nexora.slack.com | Google SSO |
| Posthog | Product analytics | [posthog.com](https://posthog.com) | Invite / Google SSO |

## **4. 📦 Deployments**

### **🔄 CI/CD**

* All code is deployed via **GitHub Actions**
* Push to main → auto deploys to staging
* Merge PR to main after code review & CI success

### **🚀 Environments**

| **Env** | **URL** | **Notes** |
| --- | --- | --- |
| Local | localhost:3000 | Docker or manual |
| Staging | staging.nexora.tech | Auto-deploy from main |
| Production | app.nexora.tech | Manual release |

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## **5. 🧪 Development Standards**

### **Code Style**

* JavaScript/TypeScript: ESLint + Prettier
* Python: Black + Ruff
* Infrastructure: Terraform fmt

### **Git Flow**

* Feature branches: feature/xyz
* Pull requests require 1 reviewer & passing CI
* Use descriptive PR titles and include context

## **6. 🛡️ Security & Compliance**

* Use **MFA** on all services
* **Never commit secrets** – use .env, Vault, or AWS Parameter Store
* Review the IT Security Policy for best practices

## **7. 🧰 Internal Tools**

dev-cli: Internal CLI tool to scaffold services  
  
 bash  
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pip install dev-cli

dev create service --name new-feature

* rag-agent: Our in-house LLM assistant for searching documentation and reviewing code. Run locally or query via Slack /rag.

## **8. 🆘 Support**

Need help? Reach out in:

* #onboarding – for general setup issues
* #eng-dev – development questions
* #infra – anything infra or AWS related
* Email: it@nexora.tech

## **✅ Final Checklist**

☐ GitHub access set up  
 ☐ Code cloned and running locally  
 ☐ .env configured  
 ☐ Logged into all tools (Slack, Notion, Linear)  
 ☐ Completed first ticket from Linear backlog