# ZKsync vs Arbitrum vs Polygon CDK: Which Layer 2 Rollup is Best for Your Project?

Blockchain scalability efforts are mostly being led by layer 2 solutions nowadays. If you are a business, developer, or startup focusing on building scalable, affordable, and secure decentralized applications (dApps), picking the best Layer 2 rollup is very important. Some of the leading solutions now are ZKsync, Arbitrum, and Polygon CDK.

This article is here to help you decide which platform is best for your project by looking at what it does best, its differences, and ways to use it.



**What Are Layer 2 Rollups?**

With layer 2 rollups, the blockchain handles transactions outside the main network, but the security remains as it is in Ethereum. They solve the issue of congestion, cut down fees, and process transactions faster.

**There are two primary types:**

**ZK-Rollups (Zero-Knowledge):** Use cryptographic proofs to validate batches of transactions.

**Optimistic Rollups:** Assume transactions are valid and offer a dispute window to challenge them.

## 1. ZKsync: Privacy-Focused and Scalable

ZKsync, developed by Matter Labs, is a ZK-Rollup that emphasizes fast, low-cost transactions with a focus on security and Ethereum compatibility.

**Key Features:**

- High throughput and low latency
- Native support for Ethereum smart contracts using Solidity
- Uses zkEVM for enhanced compatibility
- Enables faster finality and instant withdrawals

**Ideal For:**

- FinTech and DeFi applications need privacy and speed
- DApps requiring secure smart contract execution

👉 **Explore our [ZKsync Rollup Development Services](#)**

## 2. Arbitrum: Popular and Developer-Friendly

Arbitrum, by Offchain Labs, is one of the most adopted Optimistic Rollups, known for its robust infrastructure and growing ecosystem.

**Key Features:**

- Utilizes Optimistic Rollup architecture
- Strong developer community and adoption
- Compatible with existing Ethereum tools (e.g., Remix, Truffle)
- Supports Arbitrum Orbit: custom rollup chains for enterprise use

**Ideal For:**

- Startups and developers seeking quick deployment
- Projects that want to tap into a large user base

👉 **Check out our [Arbitrum Orbit Optimistic Rollup Services](#)**

### 3. Polygon CDK: Modular and Enterprise-Ready

Polygon CDK (Chain Development Kit) allows developers to build ZK-powered Layer 2 chains with full customizability. It's especially attractive for enterprises and large-scale applications.

**Key Features:**

- Built using Zero-Knowledge technology
- Highly customizable: choose your own data availability, settlement layers, etc.
- Interoperability with the Polygon ecosystem
- Designed for multi-chain architecture

**Ideal For:**

- Enterprises building custom blockchains
- Large-scale projects requiring modularity and interoperability

👉 **Learn about our [Layer2 Rollup with Polygon CDK](#)**

**Key Differences at a Glance**

**ZKsync**

**Rollup Type:** ZK-Rollup

**Speed:** Very High

**Customization:** Medium

**Developer Adoption:** Growing

**Enterprise Readiness:** Medium

**Privacy:** Strong

**Ecosystem:** Moderate

**Arbitrum**

**Rollup Type:** Optimistic Rollup

**Speed:** High

**Customization:** Low

**Developer Adoption:** Very High

**Enterprise Readiness:** Medium

**Privacy:** Moderate

**Ecosystem:** Large

**Polygon CDK**

**Rollup Type:** ZK-Rollup

**Speed:** Very High

**Customization:** High

**Developer Adoption:** Growing

**Enterprise Readiness:** High

**Privacy:** Strong

**Ecosystem:** Expanding

**Why Choose BlockchainAppsDeveloper?**

Leading [Blockchain Layer 2 Development Company](#) Choosing the right Layer 2 solution is just one part of building a scalable blockchain project — having the right development company is just as important. Here's why BlockchainAppsDeveloper is the trusted choice for businesses worldwide:

✅ **Expertise Across All Major Rollups:** We offer tailored solutions on ZKsync, Arbitrum, and Polygon CDK — ensuring you get the right architecture for your needs.

✅ **Custom Development:** From idea to deployment, we build roll-up solutions that align with your specific goals.

✅ **End-to-End Support:** Whether it's consulting, development, or post-launch maintenance, we've got you covered.

✅ **Proven Track Record:** We've successfully delivered blockchain solutions across multiple industries.

✅ **Enterprise Focused:** We understand scale, performance, and security-critical factors for serious blockchain businesses.

📞 [Contact us](#) today for a free consultation and let's unlock the full potential of Layer 2 for your project.

**Ready to Build Your Next Scalable Blockchain App?**

📩 **Get in touch with our team of Layer 2 experts and discover the most effective roll-up strategy for your project.**

🚀 **Book a Free Strategy Call Today**