

FORGEPAD

W H I T E P A P E R

The Premier Multi-Chain Token Launchpad

BNB Smart Chain · Solana

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forgeprimals.xyz

@ForgePadCommunity

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Executive Summary

ForgePad is a decentralized, multi-chain token launchpad built on BNB Smart Chain and Solana. It provides a complete suite of tools for token creators, project launchers, and crypto investors — unifying token creation, presale management, liquidity provisioning, and trust verification in a single permissionless platform.

ForgePad's mission: to be the safest, most complete, and most rewarding launchpad in decentralized finance — where every token launch generates value for the entire ecosystem.

The platform introduces two core differentiators absent from existing launchpads:

- The Forge Score System — an on-chain trust standard that rates every token on a 0–100 scale across liquidity, contract security, community presence, and team credibility. Tokens scoring 75 or above earn the "FORGE CERTIFIED" badge, establishing ForgePad as the industry trust layer for new token launches.
- NFT Revenue Share — holders of ForgePrimals NFTs (500 total) automatically receive 20% of all platform fees in BNB, distributed proportionally without staking or lockups. This creates a permanently aligned community of platform promoters.

ForgePad generates sustainable revenue from multiple streams: token creation fees (0.05 BNB), LP lock fees (0.02 BNB), presale listing fees (0.1 BNB + 2% of raise), and Forge Score request fees (0.01 BNB). The platform is designed to generate recurring revenue from day one of launch.

1. The Problem

The decentralized finance ecosystem suffers from a fragmented, low-trust environment for new token launches. Builders, investors, and communities face compounding challenges that erode confidence and destroy value.

1.1 Fragmentation of Tools

A project founder today must navigate multiple disconnected platforms to launch a token: a token factory (PinkSale, Team Finance, or custom contract deployment), a separate DEX for liquidity, a third-party locker for LP tokens, and yet another service for presales. This fragmentation creates friction, increases cost, and introduces multiple points of failure.

1.2 Rampant Rug Pulls and Honeypots

The BSC and Solana ecosystems are plagued by malicious token launches. Honeypots — contracts that allow buys but prevent sells — drain millions of dollars from retail investors monthly. Rug pulls, where founders remove liquidity after raising funds, remain the most common form of crypto fraud. In 2024 alone, rug pulls and exit scams cost DeFi users over \$2.7 billion.

The root cause is the absence of a standardised, transparent trust system for new tokens. Investors have no reliable way to assess whether a new token is legitimate before contributing funds.

1.3 Liquidity Management Complexity

Managing liquidity requires deep knowledge of DEX mechanics. Adding liquidity, understanding pool ratios, removing LP positions, and locking liquidity tokens are all operations that require navigating multiple protocols, each with their own UI, wallet interactions, and risk surface. New founders frequently make costly errors.

1.4 NFT Utility Deficit

The vast majority of NFT collections launch with speculative value and no sustainable utility. Once the initial mint excitement fades, NFT prices collapse and communities dissolve. There is no widespread mechanism for NFT holders to earn ongoing passive income from the projects they support.

1.5 Chain Isolation

As crypto expands across multiple chains, users are forced to switch between entirely separate launchpad ecosystems. A project that wants to launch on both BSC and Solana must use different tools, interfaces, and workflows — with no unified experience.

2. The Solution: ForgePad

ForgePad addresses every identified problem through a unified, production-grade platform that brings together token creation, presales, liquidity management, trust verification, and NFT utility in one interface — on both BNB Smart Chain and Solana.

One Platform Token factory, presales, liquidity, locker, score — all in one place	Multi-Chain BSC and Solana with unified UI and dual wallet support
On-Chain Trust	NFT Revenue

Forge Score rates every token 0–100, publicly verifiable forever	ForgePrimals holders earn 20% of all platform fees in BNB
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ForgePad is built as a permissionless protocol. Any wallet can create a token, launch a presale, or manage liquidity without KYC, registration, or permission. The platform earns fees from these interactions and routes 20% of all revenue to ForgePrimals NFT holders automatically.

3. Platform Features

3.1 Token Factory

The ForgeTokenFactory contract allows any wallet to deploy a fully customised BEP20 token on BSC (or SPL token on Solana) in under two minutes, without any smart contract knowledge.

BEP20 tokens created via ForgePad support the following configurable parameters:

- Name and symbol
- Total supply and decimal precision
- Buy, sell, and transfer taxes (0–25%, configurable in basis points)
- Tax distribution: marketing wallet, auto-liquidity generation, auto-burn
- Maximum wallet holding (as % of supply)
- Maximum transaction size (as % of supply)
- Anti-bot protection (blocks sell transactions for N blocks post-launch)
- Forge Badge: an on-chain label (e.g., "FORGE:PROJECTNAME") stored permanently in the contract

All tokens created through ForgePad are registered in an on-chain registry, making them discoverable through the Token Explorer at any time.

A creation fee of 0.05 BNB (or 0.1 SOL on Solana) is charged per token deployment. 20% of this fee is automatically forwarded to the ForgeNFTRevenueShare contract for distribution to ForgePrimals NFT holders.

3.2 Presale System

The ForgePad presale system enables projects to raise BNB or SOL from their community before listing. Each presale is a standalone smart contract deployed by the token creator, with parameters set at launch and immutable thereafter.

Presale features:

- Configurable softcap and hardcap (in BNB or SOL)

- Minimum and maximum contribution per wallet
- Start and end timestamps with automatic state transitions
- Presale types: Public Sale, Whitelist Only, or FCFS (First Come First Served)
- Automatic refund if softcap is not met at presale end
- Automatic LP creation and lock upon finalisation
- Vesting schedule for token distribution (cliff + linear release)
- 2% platform fee on raised funds, forwarded to treasury

A listing fee of 0.1 BNB is charged to create a presale. Presales are displayed on the ForgePad Launch Hub, sorted by activity, score, and time remaining.

3.3 Liquidity Manager

The ForgeLiquidityManager contract allows users to add and remove liquidity from DEX pools directly within ForgePad, without navigating to PancakeSwap, Raydium, or any external DEX interface.

The contract maintains a registry of DEX router addresses for each supported chain:

Chain	DEX	Router
BSC Mainnet (56)	PancakeSwap V2	0x10ED43C718714eb63d5aA57B78B54704E256024E
BSC Testnet (97)	PancakeSwap Testnet	0xD99D1c33F9fC3444f8101754aBC46c52416550D1
Ethereum (1)	Uniswap V2	0x7a250d5630B4cF539739dF2C5dAcB4c659F2488D
Polygon (137)	QuickSwap	0xa5E0829CaCEd8fFDD4De3c43696c57F7D7A678ff
Base (8453)	BaseSwap	0x4752ba5DBc23f44D87826276BF6Fd6b1C372aD24
Arbitrum (42161)	Camelot	0x4752ba5DBc23f44D87826276BF6Fd6b1C372aD24
Solana	Raydium	Via Raydium SDK V2

3.4 Token Locker

The ForgeTokenLocker contract provides time-locked storage for LP tokens or any ERC20/SPL token. Locking LP tokens is a critical trust signal for investors — it proves that the project cannot rug-pull by removing liquidity.

Locker features:

- Lock any token with a configurable unlock timestamp
- Extend an existing lock to a later date (cannot be shortened)
- Release tokens after the unlock timestamp passes
- Public view functions: all locks visible by token address or owner address
- Lock fee: 0.02 BNB (EVM) / 0.05 SOL

All active locks are displayed on the Token Detail page for any token in the ForgePad Explorer, showing the locked amount, unlock date, and remaining days.

3.5 Token Explorer

The ForgePad Token Explorer provides a searchable, filterable directory of all tokens deployed through the platform. Users can browse by chain, filter by Forge Score, and sort by creation date, market cap, or trading volume.

Each token entry displays: logo, name, symbol, Forge Score badge, liquidity information, creation date, and a direct link to the token detail page. Token detail pages embed live price charts from DEXScreener (BSC) and Birdeye (Solana).

3.6 Dashboard

The ForgePad Dashboard gives each connected wallet a personalised view of their activity on the platform: tokens deployed, presales created or contributed to, LP positions, lock schedules, and NFT reward balances. All revenue from taxes, presales, and fees is summarised in the Dashboard Revenue tab.

4. The Forge Score System

"FORGE CERTIFIED" is not a marketing label — it is a verifiable, on-chain standard. Anyone can query a token's score directly from the ForgeScoreRegistry contract at any time.

The Forge Score is ForgePad's on-chain trust and quality rating system for token launches. Every token registered on ForgePad can be assigned a score from 0 to 100 across four independently weighted dimensions.

Dimension	Max Points	Criteria
Liquidity Score	25	LP exists on a DEX, LP tokens are locked, lock duration exceeds 6 months
Contract Score	25	Contract verified on BSCScan/Solscan, ownership renounced, no post-deploy mint function
Community Score	25	Website, Telegram, and Twitter/X configured; holder count exceeds 50 unique wallets
Team Score	25	Vesting schedule configured for team tokens; KYC badge issued (manual verification)

4.1 Forge Certified Status

A token with a total Forge Score of 75 or above is designated FORGE CERTIFIED and displays the "🔥 FORGE CERTIFIED" badge on all ForgePad pages, presale listings, and the Token Explorer. This status is stored permanently on-chain in the ForgeScoreRegistry contract.

The FORGE CERTIFIED badge serves as the industry standard for trust in new BSC and Solana token launches. Projects actively pursue certification because certified tokens demonstrably attract higher participation in presales and liquidity.

4.2 Honeypot Flag

If a token is identified as a honeypot — a contract that prevents selling — authorised ForgePad scorers can set the honeypot flag to true. This immediately overrides all sub-scores, sets the total score to 0, and displays a prominent red warning on the token detail page. This flag is also stored permanently on-chain and cannot be removed without explicit scorer action.

4.3 Score Request Process

Any user can request a Forge Score for any token by paying a 0.01 BNB fee through the requestScore() function. This emits an on-chain event that is picked up by ForgePad's scoring team. Scores are typically assigned within 24–48 hours of the request.

Authorised scorers are managed by the ForgeScoreRegistry owner and can be added or removed via on-chain governance. All score updates emit timestamped events, creating a complete, immutable audit trail.

5. NFT Utility & Revenue Share

ForgePrimals is a collection of 500 unique NFTs on BNB Smart Chain. Holding a ForgePrimals NFT grants the holder a proportional share of 20% of all ForgePad platform fees, paid in BNB, claimable at any time — with no staking, no lockups, and no expiry.

ForgePrimals NFT holders are not passive collectors — they are co-owners of ForgePad's revenue stream. Every token created, every presale launched, and every LP lock pays directly into their wallets.

5.1 Revenue Distribution Mechanism

The ForgeNFTRevenueShare contract holds the 20% revenue allocation. When BNB is sent to this contract (automatically, from all fee-collecting contracts), it updates an internal accumulator: accBNBPerNFT — the total BNB accumulated per NFT share since contract deployment.

When a holder calls claim(), the contract calculates their pending BNB as:

$$\text{Pending} = (\text{accBNBPerNFT} - \text{debtByTokenId}) \times \text{numberOfNFTs}$$

This model ensures gas-efficient, fair distribution without requiring the contract to iterate over all 500 NFT holders on each distribution event. A holder who claims infrequently accumulates rewards proportionally to the total platform activity during their holding period.

5.2 Revenue Projection

The following illustrates projected monthly NFT holder revenue at various platform activity levels:

Monthly Activity	Platform Revenue	NFT Share (20%)	Per NFT (÷500)
10 tokens + 2 presales	0.70 BNB	0.14 BNB	0.000280 BNB
50 tokens + 10 presales	4.50 BNB	0.90 BNB	0.001800 BNB
200 tokens + 30 presales	17.00 BNB	3.40 BNB	0.006800 BNB
500 tokens + 100 presales	47.50 BNB	9.50 BNB	0.019000 BNB

These projections are illustrative only and depend on actual platform adoption. They do not constitute a guarantee or financial promise.

5.3 How to Claim

- Navigate to /dashboard on forgeprimals.xyz with your wallet connected
- Select the "NFT Rewards" tab
- Your pending BNB is displayed in real-time
- Click "Claim" to receive all pending rewards in a single transaction
- Multiple NFTs owned by the same wallet are claimed in one call

6. Technical Architecture

6.1 Smart Contracts (EVM — Solidity ^0.8.24)

All EVM contracts are deployed on BNB Smart Chain and use OpenZeppelin v5 for security primitives (ReentrancyGuard, Ownable, SafeERC20). Every contract emits events for all state changes, enabling complete off-chain indexing.

Contract	Purpose	Key Security
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ForgeToken.sol	BEP20 token template deployed by factory	Tax limits, antitbot, max wallet enforcement
ForgeTokenFactory.sol	Deploys ForgeToken instances, maintains registry	Fee validation, reentrancy guard
ForgeLiquidityManager.sol	Add/remove DEX liquidity without leaving ForgePad	Router whitelist, reentrancy guard
ForgeTokenLocker.sol	Time-locked storage for LP and ERC20 tokens	Timestamp validation, reentrancy guard
ForgePresale.sol	Per-project presale contract	Contribution caps, refund mechanism
ForgePresaleFactory.sol	Deploys ForgePresale instances	Fee validation
ForgeScoreRegistry.sol	On-chain token trust scoring	Authorised scorer access control
ForgeNFTRevenueShare.sol	BNB distribution to NFT holders	Accumulator model, reentrancy guard

6.2 Solana Programs (Rust + Anchor)

The Solana integration uses the Anchor framework to deploy three programs to Solana mainnet-beta. These programs mirror the EVM contract functionality, adapted for Solana's account model and Program Derived Addresses (PDAs).

Program	Purpose
forge_locker	Time-locked storage for SPL tokens and Raydium LP tokens
forge_presale	SOL-denominated presales with automatic vesting
forge_score	On-chain Forge Score registry for Solana token mints

SPL token creation uses the native Solana Token Program and Metaplex Token Metadata Program directly — no custom Anchor program is required for token deployment, keeping creation gas costs minimal.

6.3 Frontend

The ForgePad web application is built on Next.js 14 (App Router) with TypeScript, Tailwind CSS, wagmi v2, and RainbowKit for EVM wallet connectivity. Solana connectivity uses @solana/wallet-adapter with support for Phantom, Solflare, and Backpack wallets.

A persistent chain selector in the navigation allows users to switch between EVM mode (BSC and other EVM chains) and Solana mode. Both wallet providers operate in parallel — users can have both an EVM wallet and a Solana wallet connected simultaneously.

The application is deployed on Vercel and served at forgeprimals.xyz via Cloudflare DNS.

6.4 Security Principles

- All contracts use OpenZeppelin v5 ReentrancyGuard on all external/payable functions
- Treasury address is configurable but never hardcoded — updateable only by owner
- No privileged backdoors: owner functions are limited to fee configuration and treasury updates
- All fee routes are transparent and emit on-chain events
- Presale contracts are immutable after deployment — parameters cannot be changed post-launch
- Emergency withdrawal functions exist only for stuck funds (tokens accidentally sent to contracts)
- Independent security audit planned before mainnet launch

7. Revenue Model

ForgePad is designed to generate revenue from day one of mainnet launch. All fees are collected on-chain, transparent, and auditable. 80% of all fees are forwarded to the platform treasury; 20% flow automatically to the ForgeNFTRRevenueShare contract.

Revenue Stream	Fee	Trigger
Token Creation (BEP20)	0.05 BNB	Each token deployed via ForgeTokenFactory
Token Creation (SPL)	0.1 SOL	Each token deployed on Solana
LP Lock (EVM)	0.02 BNB	Each lock created in ForgeTokenLocker
LP Lock (Solana)	0.05 SOL	Each lock in forge_locker program
Presale Listing (EVM)	0.1 BNB	Each presale created via ForgePresaleFactory
Presale Listing (Solana)	0.2 SOL	Each presale created via forge_presale program
Presale Success Fee	2% of raised	On presale finalisation (if softcap met)
Forge Score Request	0.01 BNB	Each public score request via ForgeScoreRegistry

7.1 Revenue Allocation

Allocation	Percentage	Destination
Platform Treasury	80%	Operational costs, development, marketing, team
NFT Revenue Share	20%	ForgeNFTRRevenueShare — claimable by ForgePrimals holders

The treasury wallet is a dedicated multi-signature wallet controlled by the ForgePad founding team. Treasury fund usage will be disclosed quarterly through community announcements on Telegram.

8. Roadmap

Phase	Timeline	Milestones
Phase 1 — Foundation	Q2 2026	Deploy 8 EVM smart contracts to BSC testnet · Complete frontend with all 7 pages · ForgePrimals NFT collection mint (500 NFTs) · IPFS metadata upload · BSCScan contract verification
Phase 2 — Launch	Q3 2026	BSC mainnet deployment · forgeprimals.xyz live · First token launches via ForgePad · Forge Score system operational · NFT revenue share active · Telegram community launch
Phase 3 — Solana	Q3 2026	Anchor programs deployed to Solana mainnet · SPL token creator live · Raydium liquidity integration · Birdeye chart integration · Phantom/Solflare wallet support
Phase 4 — Growth	Q4 2026	Independent smart contract audit · KYC partnership for team score verification · Token-2022 support (transfer fees on Solana) · Auto-LP V2 with full _swapAndLiquify · DEXScreener/CMC listing partnerships
Phase 5 — Expansion	2027	Additional EVM chain support (Base, Arbitrum, Polygon live) · Governance module for community parameter votes · Mobile app (iOS/Android) · API for third-party integrations · Launchpad-as-a-service white label

9. Community & Ecosystem

ForgePad is community-first. The platform is designed so that the interests of the ForgePad team, the ForgePrimals NFT holders, and the broader user base are permanently aligned.

9.1 ForgePrimals NFT Community

The 500 ForgePrimals NFT holders form the core of the ForgePad ecosystem. As co-recipients of platform revenue, they have a direct financial incentive to promote ForgePad, attract new projects, and grow platform activity. This alignment is structural — not dependent on voluntary governance or goodwill.

9.2 Project Builders

Token creators and project founders using ForgePad gain access to a complete launch infrastructure without technical overhead. The Forge Score system gives their launches credibility, and the LP locker gives their investors confidence. ForgePad is designed to be the preferred choice for any serious BSC or Solana launch.

9.3 Retail Investors

Retail investors using ForgePad can evaluate any token through its Forge Score, verify LP locks on-chain, and access presales through a secure, auditable interface. The platform's transparency tools — score registry, lock registry, presale contract verification — significantly reduce the risk of participating in fraudulent launches.

9.4 Community Channels

- Telegram: @ForgePadCommunity
- Twitter/X: @ForgePrimals
- Website: forgeprimals.xyz

10. Conclusion

ForgePad represents a complete re-architecture of the DeFi launchpad experience. By unifying token creation, presale management, liquidity provisioning, and on-chain trust verification in a single permissionless platform — and by distributing 20% of all revenue to NFT holders — ForgePad creates a self-reinforcing ecosystem where growth benefits everyone.

The Forge Score System establishes ForgePad as the trust layer for new token launches on BSC and Solana. The NFT Revenue Share mechanism transforms ForgePrimals holders into permanent stakeholders in the platform's success. Together, these innovations position ForgePad as the most complete, trustworthy, and investor-aligned launchpad in decentralized finance.

The future of token launches is transparent, verifiable, and rewarding for everyone involved. That future is ForgePad.