

Bartosz Kusnierczak

Senior Web3 Full Stack Engineer

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SUMMARY

Senior AI and Web3 Full-Stack Engineer with 8+ years of experience building scalable AI-powered applications, blockchain platforms, and automation systems. Skilled in LLM integrations, AI agents, DeFi, trading tools, and on-chain execution. Delivered production-ready products and contributed to token launches raising over \$240K, with a strong focus on security, performance, and ownership.

EXPERIENCE

Token Metrics

Remote

Senior Web3 Full Stack Engineer

Dec 2024 – Dec 2025

- Led Web3 infrastructure expansion for a crypto analytics platform serving over 50K active users, enabling wallet connectivity, blockchain data integrations, and token ecosystem functionality.
- Designed and implemented Web3 payment infrastructure from scratch supporting token purchases, subscriptions, and on-chain payments through secure wallet interaction and backend transaction orchestration.
- Architected token sale infrastructure supporting the \$TMAI raise exceeding \$170K, building transaction validation systems and participation workflows ensuring reliable execution during peak demand.
- Built deterministic Web3 frontend interaction layers using Redux and Wagmi reducing failed transaction states by 35% and improving wallet interaction reliability.
- Integrated Privy wallet infrastructure and Li.Fi routing enabling embedded wallet onboarding and multi-chain liquidity access improving user conversion rates.
- Implemented Chainlink oracle integrations improving pricing accuracy and strengthening trust in analytics data.
- Improved platform performance reducing page load times from 4.2 seconds to 1.6 seconds through caching improvements, query optimization, and API tuning.
- Helped scale backend infrastructure supporting increasing blockchain data volumes while maintaining performance reliability.
- Collaborated with AI, product, and data teams supporting the platform's transition toward integrated analytics and execution products.

AI Indices Initiative (Token Metrics strategic pivot into AI-driven crypto trading and portfolio automation product)

- Contributed to Token Metrics transition from token analytics into AI-powered crypto portfolio and trading products.
- Developed full stack functionality supporting AI index portfolios allowing users to track allocations, performance, and automated execution activity.
- Built integration layers connecting frontend applications with portfolio smart contracts using ethers.js and wagmi ensuring reliable transaction flows.
- Developed backend services supporting portfolio asset tracking, execution history, and index visibility.
- Integrated Privy wallet infrastructure enabling seamless authentication and embedded wallet UX improving onboarding for non technical users.
- Worked with AI and data teams connecting trading signal pipelines with on-chain portfolio execution systems.
- Helped define architecture supporting the platform evolution into a hybrid analytics and automated portfolio management system.

Astra DAO

Remote

Senior Full Stack Developer

Feb 2024 – Dec 2024

- Led full lifecycle development of a cross-chain token launchpad supporting multiple token offerings including the \$LUCKY sale raising \$70K from over 1,200 participants.

- Designed participation infrastructure including whitelist validation, vesting logic, and allocation systems improving distribution efficiency by 80%.
- Integrated PureFi KYC reducing Sybil participation by 65% while maintaining compliant onboarding.
- Built staking and governance systems supporting over \$1.3M in staked assets improving token retention.
- Developed backend token distribution infrastructure supporting vesting schedules and reward calculations.
- Engineered gamified engagement systems increasing daily active users by 3x.
- Worked closely with tokenomics and product teams improving purchase conversion rates by 40%.

Vela Exchange

Web3 Full Stack Developer

Remote

Nov 2022 – Jan 2024

- Developed professional trading interfaces for a perpetual exchange supporting real time market data and position management.
- Built trading dashboards using React and TypeScript simplifying leverage and execution flows for users.
- Implemented real time trading feeds using WebSockets and blockchain event subscriptions.
- Developed wallet interaction flows supporting deposits, withdrawals, and trading execution improving transaction reliability.
- Worked with protocol engineers translating trading logic into frontend systems including liquidation and funding calculations.
- Improved frontend performance through caching and rendering optimization improving responsiveness during volatile markets.
- Helped scale frontend architecture supporting new trading products and liquidity features.

Lido Finance

Crypto Full Stack Developer

Remote

May 2021 – Oct 2022

- Built infrastructure applications supporting Ethereum liquid staking operations focusing on reliability and protocol transparency.
- Developed staking dashboards enabling users to track rewards and validator performance.
- Built backend services supporting staking analytics and validator reporting.
- Collaborated with protocol engineers supporting staking lifecycle processes.
- Implemented blockchain data services supporting dashboards and analytics tools.
- Improved governance interfaces supporting DAO participation.
- Contributed to infrastructure improvements focusing on reliability and monitoring.
- Participated in security focused engineering practices appropriate for protocol infrastructure.

Kcell JSC

Front End Developer

Hybrid

Feb 2017 – Apr 2021

- Developed scalable frontend component systems using React and TypeScript improving development efficiency across multiple applications.
- Built reusable UI architecture improving development speed by 25%.
- Resolved over 300 production issues improving platform stability.
- Worked in Agile teams delivering iterative product improvements.

EDUCATION

Innovative University of Eurasia

Bachelor of Engineering in Computer Science

2013 - 2016

SKILLS

Frontend: React, Next.js, Vue, TypeScript, JavaScript, Zustand, Redux, Context API, TanStack Query, SWR, HTML5, CSS3, Tailwind CSS, Sass, shadcn/ui, Material UI, Storybook, Vite, Responsive Design, SPA Architecture, Progressive Web Apps, Design Systems, Component Libraries, Trading UI, Financial Dashboards, Wallet UX, Transaction UX, Web3 UX Patterns, Performance Optimization, Lazy Loading, Code Splitting, Memoization Strategies, Frontend Architecture, UI State Management, Form Handling, Figma Collaboration, UX Systems, Accessibility, Cross Browser Compatibility, Real Time Interfaces, WebSocket UI Integration

Backend: Node.js, Python, Express, Django familiarity, REST APIs, GraphQL, API Design, Backend Architecture, Microservices, Event Driven Systems, Payment Infrastructure, Web3 Transaction Systems, Transaction Orchestration, Workflow Automation, Distributed Task Processing, Job Queues, Rate Limiting, Authentication Systems, Authorization Systems, Session Management, Serverless Functions, AWS Lambda, Background Workers, Data Processing Pipelines, Financial Transaction Processing, Portfolio Management Backends, Crypto Payment Flows, API Security, OpenAPI, Backend Performance Optimization

Blockchain & Web3: Ethereum, EVM Ecosystem, Solana familiarity, Solidity, Rust familiarity, Ethers.js, Web3.js, Wagmi, Viem, Hardhat, Foundry familiarity, Smart Contract Integration, Wallet Infrastructure, WalletConnect, MetaMask Integration, Phantom familiarity, Privy, Account Abstraction concepts, DeFi, DEX Architecture, Trading Protocols, Token Launchpads, Staking Systems, Governance Protocols, DAO Infrastructure, Tokenomics Systems, Cross Chain Bridging, LiFi, Chainlink, Price Oracles, RPC Providers, Blockchain Event Listening, Transaction Debugging, Gas Optimization Awareness, Portfolio Automation Systems, On Chain Reads and Writes, Subgraphs familiarity, Indexers familiarity, The Graph familiarity, Crypto Trading Infrastructure, Liquidity Pools, AMM Models, Yield Systems

Databases & Data Engineering: PostgreSQL, MongoDB, MySQL, Redis, Elasticsearch, Supabase, Firebase, Firestore, Oracle familiarity, Database Architecture, Query Optimization, Data Modeling, Indexing Strategies, Caching Strategies, Large Scale Data Processing, Blockchain Data Indexing, Event Processing Systems, Data Pipelines, JSON Processing, Analytics Data Systems, Portfolio Data Tracking, Performance Tuning

DevOps & Cloud: AWS, Azure familiarity, GCP familiarity, Docker, Kubernetes, Terraform, CI/CD, GitHub Actions, GitLab CI/CD familiarity, CircleCI familiarity, Serverless Deployment, Infrastructure as Code, Containerization, Monitoring, Observability, Structured Logging, Tracing, Performance Monitoring, Production Deployment Pipelines, Cloud Architecture Basics, Environment Management, Build Pipelines, Git

AI Engineering: OpenAI API, Claude API, LangChain, Prompt Engineering, AI Agents, RAG familiarity, AI assisted development tools, AI Workflow Integration, LLM Integration, AI Driven Product Features, Vector Database familiarity, AI Tooling (Cursor, Claude Code, ChatGPT, Copilot), Vibe Coding Workflows, AI Augmented Engineering, AI Automation Concepts, AI API Integration Patterns

Security: JWT, OAuth, RBAC, API Security, Smart Contract Security Awareness, Wallet Security, Transaction Safety Practices, Private Key Risk Awareness, Phishing Risk Awareness, Reentrancy Awareness, Secure Payment Flows, Identity & Access Management, Permissions Modeling, Secure Authentication Flows, Web3 Security Best Practices

Architecture & Engineering: System Design, Distributed Systems, Full Stack Architecture, High Concurrency Systems, Scalability Engineering, DApp Architecture, Exchange Infrastructure, Wallet Infrastructure, Portfolio Systems, Real Time Systems, Event Driven Architecture, API Architecture, Microservice Patterns, Refactoring Practices, Performance Engineering, Reliability Engineering, Fault Tolerance Concepts

Testing & Quality: Test Driven Development, Jest, React Testing Library, Cypress, Integration Testing, End to End Testing, Unit Testing, Code Quality Enforcement, ESLint, Prettier, Debugging, Production Issue Resolution

Collaboration & Leadership: Agile, Scrum, Code Reviews, Technical Mentoring, Ownership, Cross Functional Collaboration, Product Collaboration, Design Collaboration, Fast Paced Startup Environments, Engineering Communication, Technical Documentation, Feedback Culture, Engineering Best Practices, Stakeholder Communication, Problem Solving, Strategic Thinking, Innovation, creativity

Financial & Domain Knowledge: FinTech Systems, Crypto Trading Platforms, DeFi Products, Token Economics, Market Analytics Platforms, Portfolio Management Systems, Blockchain Analytics, Crypto Payment Systems, Trading Workflows, Liquidity Infrastructure, Investment Platforms

Developer Productivity & Tools: Git, GitHub, VS Code, Cursor, Claude Code, ChatGPT, Copilot, Terminal Workflows, Debugging Tools, Package Managers, Build Tools, Developer Tooling Optimization