

# CV Oleg Veselov v3 EN

## Oleg Veselov

**Full-Stack Developer** with 6+ years of experience. Specialization — React/Next.js ecosystem and blockchain (Web3, DeFi, NFT). Skilled in developing wallets, bots, cross-chain applications, and AI platforms.

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## WORK EXPERIENCE

### RSQUAD

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- **Broxus Landing (2019)**

**Description:** Company landing page for Broxus

**Tech stack:** React, SASS, recharts, final-form, react-final-form

**Achievements:**

- Developed a responsive landing page with modern UI/UX, animations, and SEO optimization to promote company products and services.
- Built interactive charts with `recharts` to visualize API-driven crypto exchange rates, increasing product value perception and sales.

- **Adgram Platform (2019)**

**Description:** Web platform for advertising in Telegram channels with monetization, targeted ads, and performance analytics

**Tech stack:** Next.js, React, MobX, Styled Components, Telegram Login Widget, lightweight-charts, Formik, Express

**Achievements:**

- Enhanced SSR Next.js application with Telegram Widget authentication for an in-messenger advertising ecosystem.
- Improved channel management with CPC/CPM ad types, public/private ads, and targeting options.

- **Broxus Partner Account (2020)**

**Description:** Partner account web app for managing Broxus ecosystem products and services

**Tech stack:** React, SASS, Keycloak (OIDC), recharts, final-form, react-final-form

**Achievements:**

- Built a full-featured partner dashboard with OIDC authentication for products (Stardust, Shuttle, Nucleus).
- Implemented API key management, billing with rates and balances, and dashboards with recharts analytics.
- Created modular architecture with reusable components and Excel export support.

- **Treasurer Console (2020)**

**Description:** Crypto asset management console for financial platforms with balance monitoring, withdrawals, and trading analytics

**Tech stack:** React, MobX, SASS, Keycloak (OIDC), recharts, final-form, axios, BigNumber.js

**Achievements:**

- Upgraded treasury console with OIDC authentication for asset and operation management.
- Improved dashboards with interactive charts for balances, profitability, and user statistics.
- Enhanced withdrawal system with blockchain integration and status tracking.

- **Broxus Gravity (2020)**

**Description:** Decentralized P2P crypto exchange with atomic swaps, smart contracts, and secure entropy-based key generation

**Tech stack:** Next.js, React, Styled Components, Web3JS, Express, Formik, BigNumber.js, Bitcoin.js, BIP39, localForage, lodash, Unstated

**Achievements:**

- Developed entropy generation via mouse movements in canvas for cryptographically secure key creation.
- Enhanced “last touch” logic in swap forms for intelligent recalculation of exchange rates.

- **XChainJS Solana Integration (2021)**

**Description:** Cross-chain library for integrating multiple blockchains with a unified interface

**Tech stack:** TypeScript, Solana Web3.js, Lerna, bs58, tweetnacl, Vue.js, Vuex, Vuetify

**Achievements:**

- Integrated Solana blockchain into XChainJS during a Solana hackathon, enabling full client operations (address creation, balances, transactions).
- Built demo wallet in Vue.js for Ethereum & Solana wallet management and transaction monitoring.

- **ShardEx Wallet Extension (May 2021 – Nov 2021)**

**Description:** Browser wallet extension for Everscale with multi-account support, secure storage, and asset management

**Tech stack:** Vue.js, Vuetify, Vuex, EVER-SDK, tweetnacl, BigNumber.js, vue-web-extension, SASS

**Achievements:**

- Built secure wallet with xsalsa20-poly1305 encryption and PBKDF2/SHA256 key derivation.
- Supported multisig wallets, seed phrase generation, recovery, and password-protected key backups.
- Integrated with Everscale mainnet/testnet, transaction history, and multi-wallet support.
- **Won 3rd place** at the Everscale blockchain competition with RSQUAD.

### • **Gagarin Bot (May 2022 – Jul 2022)**

**Description:** Telegram bot for a crypto investment platform with real-time IDO notifications

**Tech stack:** Node.js, Telegraf, Socket.io, Redis, BullMQ, Google Analytics

**Achievements:**

- Built a comprehensive notification system for all IDO investment stages (whitelist, lottery, swap, fcfs, claim).
- Integrated WebSocket for instant push notifications about new projects, lottery results, and token claims.

### • **@EYWA\_protocol\_bot (Sep 2021 – Nov 2023)**

**Description:** Telegram bot for EYWA (Crosscurve) ecosystem – a multichain protocol with gamification, referrals, Discord integration, NFT tracking, and cross-chain features

**Tech stack:** Node.js, Telegraf, MongoDB, Mongoose, Express, Discord.js, Ethers.js, Canvas, Twitter API, Google Analytics, Rate Limiting

**Achievements:**

- Built a Telegram ecosystem with multi-wallet support (Ethereum, Solana), captcha system, and multi-level referral program (up to 3 levels).
- Integrated Discord bot with OTP authentication, NFT rarity analytics, Zealy & Galaxy Campaign quests.
- Developed REST API backend with subscription system, multilingual support (ru/en), and Google Analytics tracking.

### • **@EYWA\_XDAO\_bot (May 2022 – Aug 2022)**

**Description:** Telegram & Discord bot for interactive participation in the XDAO ecosystem with quizzes, gamification, referrals, and DAO creation tasks

**Tech stack:** Node.js, Telegraf, Discord.js, MongoDB, Mongoose, Ethers.js, Google Analytics, TweetNaCl

**Achievements:**

- Created interactive bot with multiple scenes and middleware for gamified DAO learning.

- Integrated Ethereum/Polygon blockchain tracking for XDAO Factory contracts and DAO creation validation.
  - Built multi-level referral program (5%/3%/2%) and social tasks with Telegram, Discord, YouTube, Twitter/LinkedIn verification.
  - **@thepowerio\_bot (Sep 2022 – Dec 2022)**  
**Description:** Telegram bot for ThePower blockchain with referral system, testnet campaigns, and social integration  
**Tech stack:** Node.js, Telegraf, MongoDB, Mongoose, Express, Discord.js, Google Analytics, GitHub API, OAuth  
**Achievements:**
    - Implemented multi-phase testnet campaign tracking with node status checks and progress monitoring.
    - Integrated GitHub, Discord, Twitter, and Telegram for participant verification.
    - Built referral program with scoring, rewards, and leaderboards.
  - **TON Bridge (2022)**  
**Description:** Decentralized bridge for transferring tokens between TON and Ethereum with Jettons support and wallet integration  
**Tech stack:** Vue.js 3, Vuex, Vue Router, TonWeb, Ethers.js, Web3.js, WalletConnect, i18n  
**Achievements:**
    - Integrated Jettons (TON tokens) into an existing cross-chain bridge between TON and Ethereum.
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## Power DCloud (ex THEPOWER)

- **Power Explorer (Jan 2023 – Jun 2024)**  
**Description:** Blockchain explorer for ThePower DCloud ecosystem with appchains, transactions, and blocks support  
**Tech stack:** React, Redux Toolkit, Redux Saga, Material-UI, React Router, Formik, Yup, Sass, i18next, @thepowereco/tssdk  
**Achievements:**
  - Built web explorer with support for multiple appchains, block and transaction analytics.
  - Implemented navigation between networks with chain switching and search by addresses, blocks, and transactions.
- **Power Wallet (Apr 2023 – Jun 2025)**  
**Description:** PWA decentralized wallet with ERC20/ERC721 support, dApp transaction signing, Web3 SSO, and DeFi features (crypto purchase, vesting, NFT claim)  
**Tech stack:** React, TypeScript, Vite, Zustand, TanStack Query, Wagmi, Viem, Reown

AppKit, MUI, Chart.js, i18next, SWC

**Achievements:**

- Migrated from Redux Saga to modern Zustand + TanStack Query architecture.
- Implemented ERC20/ERC721 management with balance tracking and custom token/NFT support.
- Developed AES-encrypted key storage with import/export functionality.
- Built PWA with offline mode, auto-update, and mobile installation.
- Integrated DeFi features: crypto bridge purchases, vesting charts, NFT node claims.

- **PowerTools (Mar 2023 – Jun 2025)**

**Description:** SDK + CLI toolkit for dApp development in ThePower blockchain

**Tech stack:** TypeScript, Node.js, Viem, msgpackr, Turbo (monorepo), Vitest, oclif, Bitcoin cryptography, GitHub Actions

**Achievements:**

- Rebuilt SDK architecture with Viem for EVM compatibility.
- Replaced custom msgpack with msgpackr for reliable binary protocols.
- Built CLI with 20+ commands for account, contract, and container management.
- Enabled Ethereum-compatible transactions and addresses.
- Set up Turbo monorepo with CI/CD and NPM publishing.

- **InScience (Nov 2023 – Jun 2025)**

**Description:** Scientific platform for publishing and exchanging research as NFTs on ThePower blockchain

**Tech stack:** React, Redux Toolkit, Saga, Material-UI, CKEditor5, ThePower SDK, Viem

**Achievements:**

- Built decentralized science platform where articles and profiles are NFTs.
- Implemented NFT organizations with roles (moderators, authors) and minting contracts.

- **GlobalMix Platform (2023)**

**Description:** Decentralized MLM platform with blockchain-based referral programs and Web3 integration

**Tech stack:** React, Redux Toolkit, MUI, Wagmi, Web3Modal, Viem, Ethereum

**Achievements:**

- Built React SPA with Web3 wallet integration.
- Developed multi-level referral system (12 generations) with smart contract rewards.
- Created dashboard with plans, bonuses, and crypto wallet integration.

- **EVM State Migration (Jul 2024 – Aug 2024)**

**Description:** Web3 DApp for token migration from EVM chains to Quantum EVM (ERC20, ERC721, ERC1155)

**Tech stack:** React, Vite, Wagmi, Viem, MUI, TanStack Query

**Achievements:**

- Developed migration DApp with MetaMask integration.
- Built step-by-step wizard for token transfer.
- Implemented multi-standard token contract management.

- **DeInfra Portal AI Chatbot (Jan 2025 – Jun 2025)**

**Description:** AI-powered platform for decentralized infrastructure management with blockchain integration, service deployment, cryptographic project keys, and subscriptions

**Tech stack:** Next.js 15, React 19 RC, TypeScript, Drizzle ORM, Supabase, Stripe, TailwindCSS, Wagmi, AI SDK, Web Crypto API, Docker Compose

**Achievements:**

- Built AI platform with blockchain automation tools.
  - Created project management for chains, node minting, container deployment, and resource pool monitoring.
  - Designed ECDSA P-256 cryptographic key management with AES-GCM encryption and JWT auth.
  - Built service marketplace with Stripe subscriptions.
  - Set up modern workflow with TypeScript strict mode, Playwright E2E, Docker, Supabase integration.
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## Profiterole

- **FlipCoin Platform (Jul 2025 – Present)**

**Description:** Blockchain gaming platform with coin flips, crypto betting, built-in messenger with video calls, multi-chain wallet support, and PWA functionality

**Tech stack:** React, TypeScript, Redux Toolkit, Ant Design, Styled Components, Ethers.js, Web3Modal, WalletConnect, TronWeb, WebSocket, Virtua, React Window

**Achievements:**

- Fixed critical cross-chain betting bugs with correct game ID generation across networks.
  - Added message virtualization with Virtua, auto-scroll, and search highlighting.
  - Implemented Redux Persist state system, WebSocket real-time updates, and data synchronization.
  - Optimized performance with memoization, chat pagination, and unused dependency cleanup.
  - Improved PWA manifest, favicons, and meta tags for mobile/app store compatibility.
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# EDUCATION

## **Tver State University, Russia**

- Master's in Mathematics & Computer Science (2020)
- Bachelor's in Mathematics & Computer Science (2018)

## **Skyeng Online School — English Courses**

- Intermediate Level (June 2024) — Score: 79/100
- Pre-Intermediate Level (Apr 2023) — Score: 85/100