

Dzhakhanhir K

Senior Senior FullStack Engineer

SUMMARY

- Senior FullStack Engineer with 6+ years of experience delivering scalable web applications in healthcare, eCommerce, marketplaces, and Web3 domains.
- Proficient in React.js, Next.js, TypeScript, Node.js, PostgreSQL, GraphQL, REST APIs, and Web3 integrations including Wagmi and Viem.
- 3+ years on blockchain/Web3 projects: Expertise in building complex features such as crypto payment platforms, NFT marketplaces, multi-chain token launchpads, and real-time healthcare scheduling systems.

TECHNICAL SKILLS

Main Technical Skills	Node.js (6 yr.), React (6 yr.), TypeScript (6 yr.), WAGMI (3 yr.), Viem (3 yr.)
AI Tools & Assistants	ChatGPT (2 yr.), Claude (2 yr.), GitHub Copilot
Programming Languages	TypeScript (6 yr.)
AI & Machine Learning	Claude (2 yr.)
JavaScript Frameworks	Express (4 yr.), Ext JS (4 yr.), NestJS (2 yr.), Next.js, Node.js (6 yr.), React (6 yr.)
JavaScript Libraries and Tools	React Query, Redux, Redux-Saga (4 yr.), Redux Thunk (2 yr.), Redux-toolkit (2 yr.), Styled components (2 yr.), Web3.js (2 yr.), Zustand (2 yr.)
Python Libraries and Tools	Robot Framework (2 yr.)
Databases & Management Systems / ORM	MongoDB (2 yr.), MySQL, PostgreSQL (4 yr.), Redis, SQL
UI Frameworks, Libraries, and Browsers	CSS, Material UI (2 yr.), SASS, Styled components (2 yr.), Tailwind CSS (2 yr.), UI
Cloud Platforms, Services & Computing	GCP (1 yr.)
Amazon Web Services	AWS CloudFront, AWS S3 (2 yr.)
Industry Domain Experience	Blockchain, Ecommerce, Healthcare
Blockchain and Decentralized Software	ABI Handling, BSC, Crypto Payments, ERC-1155, ERC-20, ERC-721, ETH (Ethereum blockchain), KYC Integration, Launchpad, Linea (1 yr.), MetaMask (2 yr.), Multi-chain Transactions, NFT, NFT marketplace, Payload Verification

	(A2SPA) (1 yr.), Polygon, Smart Contract Interaction, Solana, SPL Tokens, Staking, Sui, Token Launchpad, Token Locking, Transaction Execution, Viem (3 yr.), WAGMI (3 yr.), Wallets (Integration & Transaction Signing)
UI/UX/Wireframing	Accessibility, Prototyping
Methodologies, Paradigms and Patterns	Agile, Flows, Refactoring, REST, State management
QA, Test Automation, Security	Apache Maven, Automated testing, Cypress, Debugging, Jest (4 yr.), React Testing Library (4 yr.), Selenium
SDK / API and Integrations	API, Context API, GraphQL, Sendgrid API (1 yr.)
Deployment, CI/CD & Administration	CI/CD (4 yr.)
Virtualization, Containers and Orchestration	Docker
Version Control	Github Actions (2 yr.), Git submodules (4 yr.)
Logging and Monitoring	Sentry (1 yr.)
Mail / Network Protocols / Data transfer	WebSockets (2 yr.)

WORK EXPERIENCE

Senior FullStack Engineer (Healthcare Appointment Scheduling Platform)

Duration: 04/2024 - 05/2026

Summary:

- Healthcare platform that enables patients to schedule appointments with healthcare providers online, manage bookings, and communication between patients and medical organizations
- The platform streamlines appointment scheduling and enhances communication efficiency in healthcare services

Responsibilities:

- Developed full-stack features for patient appointment scheduling and management workflows.
- Built and customized reusable UI components based on Material UI and internal design system requirements.
- Developed and integrated GraphQL and REST API functionality using Express.js and PostgreSQL.
- Implemented secure database interactions and validation logic for healthcare-related workflows.
- Introduced automated testing using Jest and React Testing Library to improve reliability and reduce regressions.
- Participated in CI/CD workflows, release processes, and deployment-related activities.
- Used AI-assisted development tools such as Claude, ChatGPT, and GitHub Copilot for refactoring, debugging, test generation, and technical research.



Technologies: React.js, TypeScript, Express.js, PostgreSQL, GraphQL, Redux Toolkit, Jest, React Testing Library, SASS Modules, AWS S3, AWS CloudFront, CI/CD

Senior FullStack Engineer, Maven - Crypto Checkout & Wallet Payment Platform

Duration: 08/2022 - 04/2024

Summary:

- Cryptocurrency payment platform enabling wallet-based transactions across multiple blockchain networks
- The platform supports payment sessions, transaction tracking, wallet validation, and secure checkout flows with real-time payment status monitoring

Responsibilities:

- Designed and implemented REST API endpoints for payment sessions, wallet operations, transaction tracking, and payment lifecycle management.
- Developed PostgreSQL and MongoDB data models for users, wallets, payments, transactions, statuses, and operational records.
- Built checkout flows and wallet-connected interfaces using Next.js, React.js, and TypeScript.
- Integrated wallet connectivity, network validation, transaction execution, and Web3 state management using Wagmi and Viem.
- Worked with AWS S3 for asset storage and infrastructure-related operations.
- Contributed to CI/CD pipelines and production deployment workflows.
- Leveraged AI-assisted development tools to accelerate API design, debugging, refactoring, and technical research.

Technologies: Next.js, React.js, TypeScript, NestJS, PostgreSQL, MongoDB, REST API, Zustand, Wagmi, Viem, AWS S3, CI/CD, SASS

Full-Stack Engineer, Trembit (Software Consulting Company)

Duration: 06/2020 - 08/2022

Online Learning & Community Platform

Summary:

- Large-scale US-based online learning platform serving thousands of users through customer-facing educational products and internal administration systems
- The platform provides educational content and community features to enhance learning experiences

Responsibilities:

- Developed and maintained complex frontend features for both customer and administrative applications.
- Built reusable React.js and Next.js components, dynamic forms, dashboards, and user management interfaces.
- Worked with WebSockets and Web Workers to support real-time functionality and background processing.
- Implemented state management solutions using Zustand and Context API.



- Conducted accessibility research and prepared technical documentation with implementation recommendations and code examples.
- Created and maintained automated test suites using Jest, React Testing Library, and Robot Framework.
- Collaborated closely with product managers, designers, QA engineers, and backend teams in an Agile environment.
- Improved application performance, code quality, and maintainability through regular refactoring and code reviews.
- Used AI-assisted development tools for code analysis, documentation drafting, refactoring ideas, and debugging support.

Technologies: React.js, Next.js, TypeScript, Node.js, WebSockets, Web Workers, Zustand, Context API, Jest, React Testing Library, Robot Framework, SASS Modules, CI/CD

Full-Stack, Art Marketplace & Auction Platform

Summary:

- Global online marketplace and auction platform for artists, enabling users to showcase artwork, participate in auctions, purchase items, and manage international shipping and transactions
- The platform supports international logistics and secure transactions

Responsibilities:

- Designed and developed auction bidding functionality that expanded marketplace capabilities and improved user engagement.
- Built frontend and backend functionality for product management, auction workflows, checkout processes, and order tracking.
- Developed REST APIs and database functionality using Express.js and PostgreSQL.
- Integrated third-party logistics providers including DHL, UPS, and USPS to support international shipping operations.
- Created responsive user interfaces and reusable components using React, TypeScript, Redux, and Styled Components.
- Implemented automated tests using Jest and React Testing Library.
- Contributed to feature planning, code reviews, debugging, production support, and continuous improvement of marketplace functionality.
- Worked closely with business stakeholders to deliver new marketplace functionality and improve user experience.

Technologies: React.js, TypeScript, Express.js, PostgreSQL, Redux, Redux Thunk, Styled Components, Jest, React Testing Library, DHL API, UPS API, USPS API

Front-End Engineer, Multi-Chain Token Launchpad Platform

Summary: Web3 launchpad platform for token pre-sales and fundraising campaigns supporting KYC onboarding, whitelist-based participation, staking pools, token locking mechanisms, tier-based allocations, and campaign management across Ethereum, Polygon, BSC, Solana, and Sui ecosystems.

Responsibilities:

- Developed React-based interfaces for token sale campaigns, investor dashboards, staking pools, and KYC onboarding flows.



- Implemented wallet-connected user experiences, transaction tracking, whitelist validation, and participation eligibility logic.
- Integrated Payload CMS to provide dynamic management of launch campaigns, project content, sale parameters, and marketing pages.
- Worked with blockchain-related user states, staking workflows, token sale participation flows, and campaign management functionality.
- Monitored active token launches, resolved production issues, and delivered UI improvements during fundraising campaigns.
- Utilized AI-assisted development tools for rapid prototyping, debugging, documentation generation, and technical research.
- Collaborated with product and engineering teams during active token launches and fundraising campaigns.

Technologies: React.js, TypeScript, Tailwind CSS, React Query, Zustand, Payload CMS, Blockpass API, SendGrid API, Google Cloud Platform, Sentry, Web3 integrations

Front-End Engineer, NFT Marketplace & Staking Ecosystem

Summary:

- Ethereum-based NFT platform combining NFT ownership management, staking functionality, liquidity analytics, KYC verification, wallet connectivity, and custom NFT creation capabilities
- The platform supports marketing campaigns and promotional launch experiences

Responsibilities:

- Developed React-based user interfaces for NFT dashboards, staking pools, liquidity analytics, and NFT management functionality.
- Implemented MetaMask-connected user experiences, wallet state handling, KYC-based access control, and blockchain-driven UI behavior.
- Built NFT creation flows, ownership management screens, staking interfaces, and campaign landing pages.
- Managed complex frontend state using Redux Toolkit for user data, blockchain interactions, wallet information, and application workflows.
- Collaborated with designers and product teams to deliver responsive and user-friendly Web3 experiences.
- Improved platform stability and user experience through feature enhancements, testing, debugging, and production support activities.

Technologies: React.js, TypeScript, Redux Toolkit, MetaMask, Wallet Integrations, Web3 Integrations, CSS, SASS

EDUCATION

- **Master's Degree in Computer Science**
Polytechnic National University
2007 - 2012

