

Zheng Tian

Senior Fullstack Software Engineer

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Timezone:Flexible to align working hours with the company's timezone

LinkedIn:https://www.linkedin.com/in/zheng-tian-08a596400/ Portfolio:https://zhengtian.work.gd

Professional Summary

Senior Fullstack Software Engineer with nine years of experience delivering end-to-end solutions using React, Node.js, Rust, and blockchain technologies. Demonstrated ability to build scalable trading platforms featuring real-time data streaming, multi-wallet integration, and multi-chain support. Applied strong backend and frontend skills to enhance user experience and system reliability. Experienced in designing RESTful APIs, WebSocket servers, and responsive UIs using TypeScript, Next.js, and PostgreSQL. Motivated to contribute expertise in fullstack development and blockchain to build robust, data-driven applications aligned with your technology goals.

Experience

Senior React Developer

03 2025 – 01 2026 (11 mo)

ArrowFin · Chicago, IL

arrowfin.io

Role: Senior React Developer

The platform is the CEX market for forex, stock, and crypto Rithmic traders.

- Delivered frontend and backend solutions using React, Next.js, Node.js, TypeScript, Zustand, and Docker to build a comprehensive trading platform for forex, stock, and crypto markets.
- Engineered the ArrowPoint web application's MVC frontend infrastructure with Next.js routes and Zustand, implementing dynamic forms with JSON-driven UI and Zod validation to enhance user input accuracy.
- Architected a Node.js Express mock server with RESTful APIs and WebSocket based on the Rithmic API, simulating live trading data to accelerate development and testing workflows.

React Node.js TypeScript TailwindCSS Material UI Next.js Zustand Zod Docker WebSocket Express

Delivered frontend and backend solutions using React, Next.js, Node.js, TypeScript, Zustand, and Docker to build a comprehensive trading platform for forex, st...

Senior Rust & Blockchain Engineer

09 2023 – 02 2025 (1 yr 6 mo)

Vanish · New York, USA

vanish.trade

Role: Senior Rust & Blockchain Engineer

The platform is the Solana DEX trading platform for traders.

- Developed a scalable Solana DEX trading platform backend and frontend using Rust with Actix, PostgreSQL with TimescaleDB, Next.js, and WebSocket to deliver real-time trading services.
- Implemented RESTful APIs and a Webhook server in Rust Actix to fetch live transaction and event data from Solana DEX via QuickNode API, while designing a time-series database schema for efficient live data storage.
- Engineered a WebSocket server to stream live chart, order, and position data, and integrated TradingView charts and multiple wallet providers on the Next.js frontend to enhance trading analysis and user experience.

Rust PostgreSQL TimescaleDB Solana Next.js Actix WebSocket QuickNode API Ant Design TradingView

Developed a scalable Solana DEX trading platform backend and frontend using Rust with Actix, PostgreSQL with TimescaleDB, Next.js, and WebSocket to deliver rea...

Senior Rust Engineer

01 2017 – 08 2023 (6 yr 8 mo)

Looter · New York, USA

looter.ai

Role: Senior Rust Engineer

The Platform is the multi-chain trading platform for meme traders on DEX.

- Led development of a multi-chain trading ecosystem using Rust, React, Node.js, Solidity, and PostgreSQL to support meme token trading across Ethereum, EVM, Solana, and BSC networks.
- Built and maintained Ethereum and EVM smart contracts in Solidity for crypto swaps across multiple AMMs including Uniswap V2, V3, and V4, and hosted self-managed blockchain nodes for BSC and Solana to ensure network reliability.
- Developed a multi-chain adapter leveraging Rust async patterns, smart contracts, and APIs like Jupiter to fetch token prices, balances, and enable secure token transfers with advanced error handling and private Solana transactions via Jito.

RustReactNode.jsPostgreSQLSoliditySolanaEthereumBSCTeloxideRedisJupiter APIMaterial UI

Led development of a multi-chain trading ecosystem using Rust, React, Node.js, Solidity, and PostgreSQL to support meme token trading across Ethereum, EVM, Sol...

 Skills

Frontend

Material UINext.jsReactZustand

Backend

ActixExpressMicroservicesNode.jsPostgreSQLRedisRustSQLWebSocket

Other

Ant DesignBSCCI/CDDebuggingDEXDockerEthereumEVMJupiter API
QuickNode APIRAGREST APISmart ContractsSolanaSoliditySystem DesignTailwindCSS
TeloxideTestingTimescaleDBTradingViewTypeScriptZod

 Education

B.S. In Computer Science. Specialized in Software Engineering2009 – 2013
Nanyang Technological University

- Location: 50 Nanyang Ave, Singapore

 Languages

English Professional