Xinzhe Zhang

Senior Blockchain Developer

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Professional Summary

A friendly, detail-oriented backend and blockchain developer with over 10 years of experience. Passionate about designing robust systems, building scalable microservices, and implementing secure blockchain solutions. Known for clear communication and a collaborative approach, I thrive on turning complex technical challenges into user-friendly, effective solutions.

Work Experience

Back-end & Blockchain Engineer | Blocktech Brew
Jun 2022 - present

- Developed and deployed smart contracts on Ethereum (Solidity) and Solana (Rust) for DeFi platforms and NFT marketplaces.
- Built a secure staking platform integrated with Metamask and Phantom Wallet, allowing users to earn yield on locked tokens.
- Designed custom dApps with React.js, Web3.js, and Solana.js, improving user retention by 15%.
- Conducted audits of smart contracts to identify vulnerabilities and ensure compliance with security best practices.
- Collaborated with cross-functional teams to integrate blockchain APIs with existing systems, increasing performance and reliability.
- Optimized Layer-2 solutions for faster and cost-effective transactions, reducing transaction fees by 24%.

Blockchain Developer | Blocktech Brew
Jun 2020 - May 2022

- Built decentralized applications using Solidity and Rust, implementing token standards like ERC-20, ERC-721, and SPL.
- Developed NFT minting and auction systems using Candy Machine and IPFS for secure metadata storage.
- Created cross-chain bridges enabling asset transfers between Ethereum and Solana blockchains.

- Worked Back-end infrastructure using Node.js and PostgreSQL, ensuring high availability for blockchain-based services.
- Integrated Web3 wallet solutions like Metamask and Solflare into dApps for seamless user interaction.

Back-end Engineer | Blocktech Brew
Jun 2020 - May 2022

- Developed APIs for real-time data updates and implemented secure communication between services.
- Optimized infrastructure as code (IaC) with Terraform, deployed to AWS and Azure environments.
- Collaborated with UX/UI designers to implement pixel-perfect designs and improve user experience.
- Implemented DevOps strategies to automate testing and deployment processes, reducing release cycles by 30%.

Full-Stack Developer | TechGropse
Jun 2017- May 2020

- Designed and developed containerized microservices deployed onto Kubernetes, ensuring scalability and reliability.
- Built responsive user interfaces for decentralized applications (dApps) using React.js, Next.js, and React Native, increasing user retention by 20%.
- Integrated Web3 wallet solutions (e.g., Metamask, Phantom Wallet) with blockchain infrastructure services.
- Wrote Clean and efficient backend services in Python and Go for seamless integration with blockchain networks.

Front-end Developer | TechGropse
Jun 2015- May 2017

- Developed user-friendly web applications using React.js and Angular, improving customer satisfaction scores by 18%.
- Migrated legacy codebases to modern JavaScript frameworks, enhancing maintainability and scalability.
- Worked closely with 4 backend developers to design RESTful APIs and integrate Web3 infrastructure services.
- Created interactive dashboards and data visualization tools for clients using D3.js and Chart.js.
- Ensured cross-browser compatibility and mobile responsiveness across all web applications.
- Conducted extensive testing and debugging to ensure high-quality deliverables.

Core Skills

- **Programming Languages:** Python, Java, Go, JavaScript, Solidity
- **Backend Frameworks:** Node.js, Django, Flask, Spring Boot
- **Databases:** MySQL, PostgreSQL, MongoDB, Redis
- **Blockchain Technologies:** Ethereum, Hyperledger, Smart Contracts, DApps
- **Frontend Development:** React, TypeScript, Next.js, Tailwind CSS
- **Tools & Platforms:** Docker, Kubernetes, AWS, Git, CI/CD Pipelines

Education

Tsinghua University | Bachelor in Computer Science

2011 - 2015