

WANG YINNENG

Senior Golang Backend & Web3 Developer

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PROFESSIONAL SUMMARY

Seasoned Software Engineer with 10+ years of experience in enterprise-scale applications development. Specialized in Go development, blockchain technology, distributed systems, and modern web development. Demonstrated success in leading technical teams, architecting high-performance applications, and delivering complex projects across multiple industries. Proven track record in team leadership and global collaboration with exceptional problem-solving abilities and system design expertise.

CORE COMPETENCIES

Backend & Infrastructure

- 10+ years Go development experience building high-scale microservices and distributed systems
- Expertise in designing and implementing high-performance, fault-tolerant Go applications
- Advanced knowledge of Go concurrency patterns, memory management, and performance optimization
- Created and published four widely-adopted Go programming courses with practical industry applications
- Expert in cloud-native technologies (Docker, Kubernetes) and distributed systems architecture
- Proficient in PostgreSQL database design, optimization, and performance tuning

Blockchain & Web3

- 3 years developing production-grade DeFi protocols and smart contracts with Solidity
- Implemented secure DEX platforms with automated market makers and liquidity pools
- Designed and deployed lending protocols with collateralization mechanisms and interest rate models
- Built yield farming systems with staking rewards and governance token distribution
- Specialized in smart contract security, gas optimization, and Web3 integration
- Deep expertise in Solidity for complex DeFi applications and protocol development

Full Stack Development

- 3+ years expertise in React.js, Next.js, and TypeScript for scalable frontend architectures
- Advanced proficiency in state management and modern frontend best practices
- Skilled in optimizing web performance and user experience design

PROFESSIONAL STRENGTHS

- Proven leadership experience in managing technical teams and complex projects
- Excellence in architectural design and system scalability
- Strong problem-solving skills with focus on production reliability
- Effective communication and collaboration across distributed teams
- Experience managing multiple remote projects simultaneously

TECHNICAL SKILLS

Languages & Frameworks

- **Programming:** Go, Solidity, React, TypeScript, Python, PHP, Rust (actively learning)
- **Frameworks:** React.js, Next.js, gin, go-zero
- **Backend:** Microservices Architecture, RESTful APIs, gRPC

Blockchain & Web3

- **Smart Contracts:** DeFi Protocols, DEX
- **Tools:** Hardhat
- **Security:** Smart Contract Auditing, Gas Optimization

Infrastructure & DevOps

- **Cloud Native:** Docker, Kubernetes, GCP
- **Monitoring:** Prometheus, Grafana, ELK Stack
- **Database:** PostgreSQL (advanced), MySQL, Redis
- **Message Queue:** RabbitMQ, Kafka

PROFESSIONAL EXPERIENCE

Senior Golang & Blockchain Developer

July 2023 - Present

Web3 Company | Remote

- Independently design and develop high-performance Go microservices handling significant transaction volumes with excellent scalability
- Architect and implement scalable blockchain backend solutions with complex distributed systems design
- Design and develop secure Solidity smart contracts for DeFi applications:
 - Developed yield farming protocol with complex reward distribution mechanisms
 - Built lending protocol with dynamic interest rate models and liquidation engine
- Implement comprehensive microservices architecture using Go, including service discovery, load balancing, and fault tolerance
- Design and optimize high-performance backend systems with 40% latency reduction through advanced Go patterns
- Independently architect PostgreSQL database solutions with complex query optimization and partitioning strategies
- Develop comprehensive monitoring and observability systems using Prometheus and Grafana for real-time performance tracking
- Implement advanced Go concurrency patterns and memory optimization for blockchain infrastructure components

- Design and develop gas-optimized smart contracts with 35% efficiency improvement through advanced Solidity patterns

Senior Infrastructure & DevOps Engineer

2017 - July 2023

qPaaS & Cloud Platform | Onsite

- Architected and developed enterprise-scale cloud management platform unifying 10,000+ CPU cores and 160,000GB+ resources globally using Go microservices
- Led development of automated operations platform providing fault detection, repair, and performance optimization for 500+ entities
- Built comprehensive DevOps platform handling 50,000+ daily builds, improving development efficiency by 30%
- Designed and implemented high-concurrency distributed systems using advanced Go patterns and microservices architecture
- Established robust CI/CD pipelines and DevOps practices reducing deployment time by 70%
- Implemented comprehensive monitoring and observability stack using Prometheus, Grafana, ELK, and Jaeger for real-time system insights
- Orchestrated containerized applications using Docker, Kubernetes, OpenShift, and Docker Swarm across multiple cloud environments
- Developed high-performance backend middleware solutions including custom integrations with Consul, Ceph, RabbitMQ, and Redis
- Created reusable Go libraries and frameworks adopted across multiple platform components

Junior Golang Developer

2015 - 2017

Tech Enterprises Inc | Shanghai

- Developed backend services in Go under senior developer guidance
- Participated in creating Go libraries for company projects
- Implemented caching solutions and learned distributed system concepts
- Received mentoring on Go best practices and software engineering principles
- Collaborated with team members on various development tasks
- Assisted in system migration to PostgreSQL and learned database optimization techniques

EDUCATION & CERTIFICATIONS

Bachelor of Science in Computer Science, Nanjing University, 2012

OPEN SOURCE & COMMUNITY

- Published four widely-adopted Go programming courses with 50,000+ students
- Regular contributor to Ethereum and Go open source projects
- Actively participating in Rust community projects and learning initiatives
- Contributor to DeFi protocol security audits and best practices documentation