

# Zeljko Jovanovic

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## PROFILE

Senior Backend Engineer with 8+ years of experience in developing high-performance Web3, API-driven, and financial systems. Expertise in Golang, Rust, Java, C++, and blockchain technologies, specializing in scalable backend architectures, low-latency trading platforms, and smart contract integrations. Passionate about optimizing debt market infrastructures, building institutional-grade financial protocols, and leveraging cutting-edge Web3 primitives.

## EXPERIENCE

### Senior Software Engineer

*Argent - Remote | Jun 2022 - Present*

- Developed scalable backend services for crypto wallet applications, integrating Web3.js, Ethers.js, and AWS Lambda.
- Optimized API performance, improving transaction speeds by 35% and reducing query times.
- Implemented API versioning for seamless integration with future protocol upgrades.
- Enhanced transaction processing pipelines using GraphQL, PostgreSQL, and Redis, reducing latency by 40%.
- Led migration to microservices using Docker, Kubernetes, and AWS ECS.
- Mentored junior engineers in Golang, Node.js, and blockchain development.

### Software Engineer

*XDEFI Wallet | Apr 2018 - May 2022*

- Built and optimized backend APIs using Golang and Node.js for high-frequency trading.
- Developed a low-latency transaction processing engine, reducing trade execution time by 50%.
- Implemented CI/CD pipelines using Docker, Kubernetes, and Jenkins.
- Designed and maintained a distributed ledger synchronization system, ensuring 99.99% uptime.
- Worked with institutional traders to develop custom risk management and order execution strategies.

### Frontend & Backend Developer

*Cyrex | Feb 2017 - Mar 2018*

- Developed admin dashboards for a financial platform using React.js, Node.js, and PostgreSQL.

- Optimized database queries, reducing data retrieval times by 30%.
- Secured APIs using JWT authentication and OAuth.

## **Software Engineer (Freelance)**

*Upwork | Apr 2015 - Jan 2016*

- Developed backend systems using Golang, PHP (Laravel), and MySQL.
- Built custom API gateways for integrating third-party financial data providers.

## **EDUCATION**

### **National Taiwan University | B.Sc. Computer Science | 2011 - 2015**

Relevant Coursework: Distributed Systems, High-Performance Computing, Algorithmic Trading

## **SKILLS**

### **Programming Languages**

Golang, Rust, Java, C++, TypeScript, Solidity

### **Backend & API Development**

Node.js, Express.js, PostgreSQL, MongoDB, Redis, DynamoDB, GraphQL, RESTful APIs

### **Blockchain & Web3**

Web3.js, Ethers.js, Smart Contracts (Solidity, Hardhat), DeFi Protocols, Institutional Trading

### **Cloud & DevOps**

AWS (Lambda, EC2, API Gateway, S3), Kubernetes, Docker, CI/CD Pipelines

### **Performance Optimization**

Low-latency trading infrastructure, database indexing, transaction execution optimization