

Mohammad Javad azima

Software Engineer



Education

- Master (MSc/MA) -Engineering (Computer Networks)
Islamic Azad University Science and Research Branch
2023 - now
19.90
- Bachelor(BSc/BA) -Engineering (Electrical/Electronic/Telecom)
Islamic Azad University Central Tehran Branch
2017 - 2021
16.59

Contact

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Iran, Tehran

About Me

I am a Senior Infrastructure Engineer with deep expertise in Linux systems, Kubernetes, observability, and secure architecture design. Over the past years, I've focused on building and maintaining scalable, resilient, and security-hardened infrastructures in production environments, ensuring that high-traffic systems remain both stable and efficient.

Beyond technical delivery, I strongly believe that true infrastructure excellence comes from collaboration. I enjoy working closely with development, security, and operations teams to align system design with business needs, enabling faster innovation and safer deployments.

Driven by curiosity and continuous learning, I'm always exploring new technologies and methodologies to optimize system performance and strengthen security. My goal is not only to solve problems at scale, but also to empower teams with reliable platforms that help them deliver value with confidence.

Experience

- Software Engineer
Ramzinex *Iran, Tehran*
Oct 2021 - Now
 - Infrastructure Management: Full responsibility for managing and maintaining the IT infrastructure of Ramzinex crypto exchange.
 - High Availability and Reliability: Implemented solutions to enhance system reliability and ensure high availability of critical services.
 - System Scalability: Designed and deployed scalable architectures to support the growing number of users and increasing transaction volumes.
 - Observability Enhancement: Developed and improved monitoring, logging, and alerting processes using tools such as Wazuh for threat detection, increasing system transparency and traceability.
 - Cloud-Native Migration with Kubernetes: Led the migration of infrastructure to a cloud native architecture using Kubernetes, including deployment and cluster management.
 - Helm & Helmsman Deployment: Managed Helm charts with Helmsman to streamline and automate Kubernetes application deployments.
 - Kafka Cluster Management: Built and maintained a secure multi-broker Kafka cluster with SSL/mTLS authentication and ACL-based access control, ensuring reliable message streaming between critical microservices.
 - CI/CD Pipelines with GitLab: Designed and maintained GitLab Enterprise pipelines for automated builds, testing, security checks, and container registry integration.

Skills

- Kubernetes
- Docker
- GitLab
- CI / CD
- Ansible
- Pulumi
- Automation
- Load Balancing
- Load Testing
- Teleport
- Prometheus
- Elastic Stack
- PMM
- Wazuh
- Metricbeat
- Galera Cluster
- MaxScale
- RabbitMQ
- Linux
- Ubuntu
- Blockchain Development
- Smart Contracts
- Ethereum
- Solidity
- Truffle Framework
- Hardhat
- Back-End Web Development
- System & Infrastructure Hardening
- Kong
- ModSecurity
- OWASP CRS
- Python
- Django
- Go
- JavaScript
- Node.js
- Express.js
- REST APIs
- Apache Kafka
- MySQL
- Nginx
- HAProxy
- Loki
- Grafana
- Git

Network Security and Traffic Management: Designed and managed tunneling and routing services, along with firewall hardening, to secure internal and external communications.

Linux Server Hardening: Applied operating system security hardening practices across Linux servers and endpoints to reduce attack surfaces and strengthen compliance.

WAF and API Gateway Implementation: Deployed Kong integrated with ModSecurity and OWASP CRS to protect APIs and services against common attacks (SQLi, XSS, LFI, etc.).

Threat Detection and Incident Response: Utilized Caretta and Wazuh for log analysis, suspicious pattern detection, and security incident management.

Infrastructure Maintenance and Optimization: Performed daily operations for maintaining, optimizing, and upgrading infrastructure to ensure secure and efficient system performance

Software Engineer

Ganjineh, Iran, Tehran

Oct 2021 - Aug 2023

Ganjineh company is a blockchain and web3 infrastructure service provider that provides services such as crypto wallet and crypto asset management services and deposit and withdrawal services to companies, marketplaces such as ramziNFT and various exchanges such as Ramzinx, wallet, offers Quinino and... During this time, I have set up and maintained full nodes of various networks such as Ethereum, Polygon, Celestia, Goerli, Rinkeby and Shardeum.

I have developed and designed liquidity pool, multi signature wallet, liquidity aggregation and autoforwarding smart contracts.

I have the experience of developing and implementing smart contracts to use Flash Loans of lending platforms such as AAVE.

I have also gained the experience of designing and developing a service to interact with DEX Pancake Swap smart contracts.

I have also designed several services to interact with smart contracts and blockchain in Go language.

Implementation of Address Generator service using Go-Ethereum and Echo ledger Implementation of interaction service with Auto Forwarding smart contract using Go Ethereum library and Gofiber framework.

Research and Development Engineer

Sharif University Electronic Sensing
Laboratory, Iran, Tehran

Mar 2021 - Oct 2022