Ashkan Rahmani

Senior Backend Engineer | Java | Spring Boot | Microservices | FinTech

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Professional Summary

Senior Backend Engineer and Tech Lead specializing in high-scale financial systems processing tens of millions of transactions daily in the banking and financial services domain. Proven expertise in Java, Spring Boot, and microservices architecture, delivering high-performance systems handling over **30 million transactions per day**. Strong track record in leading engineering teams, optimizing system performance, and accelerating product delivery. Focused on building scalable, secure, and resilient systems aligned with business objectives. Experience building national-scale financial systems and high-throughput transaction platforms. Experienced in leveraging AI-assisted tools and agentic coding workflows to accelerate engineering productivity, code quality, and delivery speed.
Open to international / European opportunities and available for visa sponsorship.

Core Competencies

- Distributed Systems & Microservices Architecture
- Backend Development (Java, Spring Boot)
- Event-Driven Architecture (Kafka)
- API Design (REST, GraphQL)
- Performance Optimization & System Tuning
- Technical Leadership

Technical Skills

Languages: Java
Frameworks: Spring Boot, Spring Framework, Hibernate
Architecture: Microservices, Event-Driven Architecture, DDD, CQRS
Messaging: Kafka, RabbitMQ, ActiveMQ
Databases: PostgreSQL, Oracle, MongoDB, Redis
DevOps: Docker, CI/CD
Cloud: AWS (EC2, ECS, S3, RDS, Lambda, SQS)
Monitoring: ELK Stack, Grafana
Security: OAuth2, JWT, Keycloak
Build Tools: Maven, Gradle
Testing frameworks: JUnit, Mockito

Professional Experience

Senior Software Engineer *| Informatics Services Corporation (ISC Co.) | Tehran, Iran* *2012 – present*

Tech Lead | 2020 - Present

- Led a team of **16 engineers** delivering enterprise-scale banking platforms
- Architected and scaled microservices platforms handling 40M+ transactions per day, ensuring high availability and resilience
- Improved system performance by **20%** and reduced latency from **1500ms to 340ms**
- Achieved 99.9% system uptime through monitoring and incident response improvements
- Increased deployment frequency by **100%** using CI/CD pipelines
- Improved system stability by reducing incident rate by 60%

- Introduced AI-assisted engineering workflows using Github Copilot and AI coding agents to improve development efficiency and accelerate delivery cycles.

Senior Software Engineer | 2012 - 2024
- Developed high-performance backend services using Java and Spring Boot
- Built RESTful APIs supporting **2.5 million concurrent users**
- Improved system efficiency by **60%** via performance tuning and optimization
- Implemented event-driven architecture using Kafka

Selected Projects

Pichak - National Banking Monitoring System
Designed and developed a centralized platform processing **30M+ daily transactions across 33 banks**
Reduced incident detection and response time by **80%**

Chakad - Digital Check System and Digital Signature
Built a large-scale digital check processing platform processing **10 million daily transactions**
Improved transaction processing speed by **30%**

Sayad – National wide system to unify the process of issuing bank check books
Delivered solutions for a central banking authority overseeing nationwide financial operations with **800K daily request**
Reduced processing time by **15%**

Chakavak - Interbank Check Exchange System
National system enables electronic check image exchange between banks instead of physical transfer. At the end of day, it calculates net interbank positions. With **1+ million daily transactions**
Reduced interbank settlement time by **2 days**

Saba - Internet Banking Platform
Developed backend services supporting **2+ million daily transactions per bank**
Achieved system uptime of **99.9% SLA**

iCAS - Central Authentication Service
Designed centralized authentication system using OAuth2, JWT and custom protocols with logging and billing capabilities.
Secured access for **12+ integrated services**, reducing security incidents by **8%**

Previous Experience

Java Developer – PH Developers Engineer Co. (2011 – 2012)
Java Developer – Moj Pardaz Co. Ltd (2007 – 2011)
Software Developer – Negin Valiasr Co. Ltd (2002 – 2007)
- Developed enterprise software across healthcare, insurance, and industrial domains
- Contributed to backend development and system design

Education

Bachelor Of Computer Science Emphasis in Software Engineering
Azad University – Graduated: 2012
Completed degree while working full-time as a software developer

Language

- English: Professional working proficiency (B2)
- Persian: Native

Additional Information

- Available for visa sponsorship
- Available to start within 2 months