

Ahmet Şen

Team Lead | Senior Java Developer

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PROFESSIONAL SUMMARY

With over 8 years of hands-on experience, I am a Senior Software Engineer and Tech Lead specializing in designing and building complex, high-traffic systems for major telecom companies. My expertise lies in creating resilient, event-driven microservice architectures using Java, the Spring ecosystem (Boot, Cloud, Security), Kafka, PostgreSQL, and Redis.

I have a strong background in implementing API Gateways, caching strategies, and robust authentication systems within AWS cloud services. As a strong advocate for Clean Code and SOLID principles, I ensure system reliability with comprehensive monitoring stacks like Prometheus, Grafana, and ELK. Beyond my technical skills, I am passionate about leading teams, coordinating projects with JIRA, and mentoring engineers to foster a culture of quality and collaboration.

SKILLS

Technical Leadership & Methodologies

Team Leadership | Mentoring | Agile (Scrum, Kanban) | Sprint Planning | Project Management (JIRA) | Code Quality & Review | GitFlow | Technical Strategy Development

Software Architecture & System Design

Microservices | Distributed Systems | Domain-Driven Design (DDD) | Event-Driven Architecture | CQRS | SOLID Principles | Design Patterns | Service Discovery (Eureka) | High-Performance Systems | Load Balancing | High Availability (HA) | Fault Tolerance | Circuit Breaker & Fallback | Saga Pattern & Distributed Transactions | Outbox Pattern | Hexagonal Architecture

Backend Development & Programming

Java | Spring Boot | Spring Cloud | Spring Data (JPA) | Hibernate | Multi-threading & Concurrent Programming | Performance Optimization | Profiling | Memory Management & Leak Detection | Clean Code | TDD & BDD | Secure Coding (OWASP)

API & Integrations

RESTful API | GraphQL | gRPC | WebSocket | Webhook | API Versioning | API Gateway | Payment Gateway Integration | Third-party API Integrations | API Documentation (Swagger, OpenAPI)

Databases & Storage

PostgreSQL (PL/pgSQL) | MySQL | Oracle | Cassandra | Elasticsearch | Solr | Redis (Caching) | Amazon S3 | Minio | Database Design & Optimization | Data Modeling | Query Optimization | Caching Strategies

Messaging & Stream Processing

Apache Kafka | RabbitMQ | Debezium (CDC) | Event Streaming | Real-time Analytics | Data Pipelines | Fault Tolerance & Recovery

Security & Identity Management

Spring Security | Keycloak | OAuth 2.0 & OpenID Connect | JWT | Role-Based Access Control (RBAC) | API Security & Rate Limiting | SSL/TLS | XSS, CSRF & SQL Injection Prevention | Security Scanning | Encryption & Hashing

Testing & Quality Assurance

JUnit | Mockito | Unit Testing | Integration Testing | SonarQube | Selenium | Playwright | Appium | Load Testing (JMeter, Gatling)

DevOps & Cloud Technologies

Docker | Kubernetes | Jenkins | CI/CD | AWS | Git & GitHub | Monitoring (Prometheus, Grafana , Zipkin) | Logging (ELK Stack) | Maven

Domain Knowledge

Telecommunications | Payment Systems | Batch Processing | Text Mining | Natural Language Processing (NLP) | OpenCV | Face Recognition

PROFESSIONAL EXPERIENCE

Lead Java Developer | EGEMSOFT - Istanbul, Turkey | Jun 2018 - Present

I worked as technical lead for Testscribe, a cloud-based mobile app testing platform. I managed all technical processes from idea stage to customer presentations.

Team Leadership & Agile:

- Assigned tasks and tracked progress through JIRA.
- Facilitated sprint planning, daily stand-ups, and retrospectives under Agile methodology.

- Mentored developers and supported the team in solving complex technical challenges.
- Performed code reviews and ensured code quality through best practices and automated testing.

Architecture and Development:

- Designed event-driven microservice architecture for systems that can handle high traffic and scale well.
- Built real-time data processing infrastructure using Kafka.

DevOps and Infrastructure:

- Set up automated CI/CD processes.
- Used AWS S3 for data management and ELK Stack for log analysis.
- Created monitoring system with Prometheus and Grafana.

API and Integration:

- Developed custom API Gateway solutions.
- Built integrations with payment systems, Jira and Jenkins.

Database and Performance:

- Optimized databases using PostgreSQL and Redis.
- Improved processing times for big data sets.

Software Quality:

- Established maintainable code base with Clean Code and SOLID principles.
- Built microservice architecture using Domain-Driven Design.

Technical Details:

- Developed multi-threading techniques, high availability strategies based on CAP theorem, rate limiting and throttling mechanisms.

Device Management:

- Built infrastructure for controlling real Android devices through server.

Enterprise Support:

- Provided developer and architecture support for Türk Telekom and Turkcell projects.
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Java Developer | ServisNET - Istanbul, Turkey | Oct 2017 - Jun 2018

Developed Turkish etymology dictionary application.

Designed and implemented backend for a mobile generator control/monitoring project.

Contributed to log processing/monitoring system for Türksat.

Supported educational project for English classrooms.

Intern Java Developer | Aug 2017 - Oct 2017

Built plate detection system using image processing.

Developed library management project with Java and SQL.

PROJECTS

PeekDomain

- Engineered a global domain scanning system that processes over 200,000 new domains daily, collecting and analyzing WHOIS data in real-time.
- Collected WHOIS information, performed domain categorization and analytics.
- Built functionality to track expired domains and generate categorized reports (e.g., Ads, Spam Mailing, Domain Real Estate).
- Applied data processing and text mining techniques to categorize large-scale datasets, providing actionable reports on market trends and potential investment opportunities for domain real estate.

N11 Product Tracking Project

- Built a platform that monitors details of over 10 million products daily.
 - Designed data pipelines to store historical product information and perform large-scale analytics.
 - Delivered insights to end-users by identifying the most suitable products for sale using text mining and data analysis.
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EDUCATION

Muğla Sıtkı Koçman University - Faculty of Engineering

B.Sc. in Computer Engineering (English - B2) | 2012 - 2017

LANGUAGES

Turkish - Native

English - B2 - Professional Working Proficiency