

Okan Akveç

Senior Software Engineer (Java)

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English: Professional working proficiency

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Professional Summary

- Senior Software Engineer with 9+ years of experience designing and developing high-volume payment and FinTech systems using Java, Spring Framework, and microservices architecture. Strong expertise in PSP integrations, payment gateways, card payments, 3D Secure authentication, and secure payment architectures compliant with PCI-DSS standards.
 - Proven track record of building clean, maintainable, and testable backend services, developing RESTful APIs, and optimising system performance for platforms processing 100K+ daily transactions. Hands-on experience with Continuous Delivery practices and test automation using JUnit, REST-assured, and integration testing approaches.
 - Experienced in Agile/Scrum environments, participating in code reviews, sprint planning, and independent problem-solving while collaborating closely with product, QA, and DevOps teams to deliver scalable, reliable, and secure solutions.
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Professional Experience

Senior Software Engineer

TKPAY (via OBSS)

2025 – Present

- Designed and developed Java-based microservices (Java17, Next.js, Spring Boot 3.5.8, PostgreSQL, Kafka Event Streaming, Redis Cache, Docker, Kubernetes) for a **Payment Facilitator platform processing 100K+ daily transactions**, ensuring high availability and scalability.
 - Translated complex business and compliance requirements into **robust API designs (REST)** and production-ready backend implementations.
 - Optimised API and database performance through profiling and data analysis, achieving a **25% reduction in API response times**.
 - Implemented secure payment flows in alignment with **PCI-DSS standards**, collaborating closely with compliance and security teams.
 - Monitored and troubleshooted production systems using **Grafana, Graylog, and Elasticsearch**, contributing to a **35% reduction in production incidents**.
 - Worked within **Agile/Scrum** teams, collaborating with QA, DevOps, and product stakeholders to ensure on-time delivery.
 - Provided technical mentorship to junior engineers, promoting clean code, debugging best practices, and system understanding.
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Senior Software Engineer

Payten
2022 – 2025

- **Designed, implemented, and integrated REST and SOAP APIs using Spring Framework and Spring Boot** within a **microservices architecture**, enabling secure and scalable integrations with banks and third-party financial institutions and **reducing integration effort by 30%**.
- **Contributed to the development, stabilisation, and optimisation of 3D Secure (3DS) authentication flows**, improving transaction success rates and user experience across web and mobile payment channels.
- **Built, monitored, and analysed end-to-end payment transaction lifecycles**, identifying failure points, latency issues, and performance bottlenecks, and driving optimisations across backend services and database interactions.
- **Developed and deployed microservices** using **Docker** and **Kubernetes**, while also supporting **on-premise Tomcat servers**, ensuring high availability, scalability, and smooth production operations.
- **Implemented user-facing and internal tools** using **React** and **Angular** for customer-facing applications, and **Thymeleaf** for internal back-office, collaborating closely with frontend teams to deliver consistent and responsive payment flows.
- **Worked extensively with Oracle Database**, designing and optimising SQL queries, stored procedures, and transaction handling to ensure data consistency and high-performance payment processing.
- **Served Scrum Master duties for a 9-person engineering team**, facilitating Agile ceremonies (Sprint Planning, Daily Stand-ups, Reviews, Retrospectives) and maintaining a **95% sprint goal completion rate**.
- **Supported UAT, defect triage, and production issue resolution**, working cross-functionally with QA and operations teams to ensure system stability and fast incident resolution.

Senior Software Engineer
HAVELSAN
2017 – 2022

- Designed and developed **mission-critical, real-time systems** for Naval Combat Management Systems (CMS) integrating radar, sonar, and weapon subsystems.
- Implemented secure and low-latency java **microservices**
- Participated in system-level architecture and requirement analysis for **high-availability, fault-tolerant platforms**.
- Supported system testing, debugging, and release activities in **Linux (CentOS)** environments.
- Used **Jira and Jenkins** to manage development tasks, CI pipelines, and defect tracking.

Software Developer
GURU
2015 – 2017

- Contributed to the development of early-stage **web applications**, supporting backend development, debugging, and performance improvements.
 - Assisted with **requirements analysis, system design, and technical documentation** across the SDLC.
 - Collaborated in Agile teams, participating in **sprint planning, reviews, and retrospectives**.
 - Built a strong foundation in **software engineering best practices**, problem-solving, and cross-team collaboration.
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Education

Master Degree – Computer Engineering (GNO: 87.93 / 100)

Trakya University | 2023 – 2025

Bachelor's Degree – Computer Engineering (GNO: 87 / 100)

Trakya University | 2010 – 2014