Java Developer Level Roadmap

1. Junior Java Developer (0 - 1.5 yil)

Izoh: Java sintaksisi, OOP asoslari, REST API yaratish, CRUD operatsiyalar, Git asoslari, Maven, va JUnit. Mustaqil ishlay olmaydi, mentor ko?magiga muhtoj, Googling va debugging sust.

Asosiy ko?nikmalar: - Java asoslari: primitive types, loops, OOP - Spring Boot + Controller, Service, Repository - CRUD with MySQL/PostgreSQL + Spring Data JPA - Maven/Gradle - Git: commit, branch - JUnit 5: basic test yozish

2. Strong Junior Java Developer (1 - 2.5 yil)

Izoh: Kichik modul yoki taskni mustaqil bajara oladi. Kod sifati yaxshilangan, debuggingda faol, yangi texnologiyalarni o?rganishga tayyor.

Asosiy ko?nikmalar: - SOLID, DRY, KISS - Spring Security + JWT - DTO, Exception handling, Validation - Swagger, Postman, Docker - Mockito, Git PR & branching

3. Middle Java Developer (2 - 4 yil)

Izoh: Modullarni mustaqil yaratadi, arxitekturani tushunadi, juniorlarga yordam bera oladi. Texnik muammolarni mustaqil hal qiladi.

Asosiy ko?nikmalar: - Spring Boot chuqur, Actuator, Filters - ACID, indexing, transactions - CI/CD: Jenkins, GitHub Actions - Kafka, RabbitMQ - OAuth2, RBAC - Integration testing, Testcontainers

4. Strong Middle Java Developer (4 - 5+ yil)

Izoh: Texnik lider bo?lishga yaqin. Legacy kodni refactor qiladi, kompleks tizimlar bilan ishlaydi. Teamni texnik jihatdan boshqaradi.

Asosiy ko?nikmalar: - System Design: Scalability, Load Balancing - WebFlux, Reactive Programming - JVM profiling, VisualVM - Microservices: discovery, config server - Security: OAuth2.1, SSO

5. Senior Java Developer (5+ yil)

Izoh: Loyihani noldan yaratadi, arxitekturani loyihalaydi, texnik qarorlarni asoslaydi. Team Lead yoki Architect sifatida ish yuritadi.

Asosiy ko?nikmalar: - System architecture design - DevOps: CI/CD, Terraform, Ansible - Event-driven architecture: Kafka, Saga Pattern - OWASP Top 10, audit logging - Leadership, mentorship

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Darajalar Taqqoslamasi

Daraja	Mustaqillik	Texnik chuqurlik	Mentorlik	Tizim tajribasi
Junior	X	.	X	X
Strong Junior	.	v	X	X
Middle	v	vv	.	.
Strong Middle	vv	vvv	v	v
Senior	vvv	vvvv	vv	vvv