

## ILIA GORDEEV

*Software Engineer (Kotlin/Java, MedTech)*

Software Engineer with 5+ years of focused experience in the MedTech sector, specializing in building and modernizing high-availability backend systems with Kotlin and Java. Proven track record in delivering complex data integrations (HL7 CDA) and leading legacy system migrations. Led a modernization effort from Java to Kotlin that cut production bugs by 20% and improved team velocity.

### PROFESSIONAL EXPERIENCE

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**ONCOR ([oncor.pro](http://oncor.pro))**, Monitoring system for oncology patients, designed for comprehensive informatization of oncology services

**2023–now**

*Senior Java/Kotlin Developer*

*Remote from Barcelona, Spain*

- Led the modernization of a legacy Java application to Kotlin, introducing type-safe patterns that resulted in a 20% reduction in production bugs and improved code maintainability.
- Spearheaded the integration with the national VIMIS healthcare system by designing and implementing an HL7 CDA-compliant data exchange service, enabling nationwide interoperability.
- Designed and maintained a hybrid data architecture using OrientDB (Graph) for patient data and PostgreSQL for analytics, achieving 99.9% data integrity across systems through custom synchronization logic.
- Mentored 2 junior developers in Kotlin best practices and domain-specific validation logic, increasing their code contribution autonomy and ensuring compliance with healthcare data laws.

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*Middle Java/Kotlin Developer*

**2020–2023**

- Developed high-throughput REST and Protobuf APIs to handle concurrent transmission of sensitive medical records, achieving sub-200ms latency under load for critical endpoints.
- Optimized complex reporting modules by refactoring data transformation logic in PostgreSQL and OrientDB, cutting average report generation time by 30% for clinical staff.
- Delivered end-to-end features from database design (Spring Boot, JetBrains Exposed) to UI components (Vaadin), owning critical clinical functions like case reviews and neglect tracking.
- Built an integration testing suite for the API layer that reduced post-deployment hotfixes by 40%, enabling safer and more frequent releases.
- Implemented asynchronous report generation using Kotlin Coroutines and a background job queue, eliminating UI blocking and allowing clinicians to continue work without interruption.

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**LLC IT-Electro ([it-electro.com](http://it-electro.com))**, a local company for electrical installation works and services

**2013–2020**

*Co-founder*

*Yekaterinburg, Russia*

- Co-founded and scaled an electrical services company to a 15-person team, managing all business operations, client acquisition, and project delivery.
- Drove early business automation by designing and building an internal system to manage client workflows and documentation, which sparked my transition into a full-time software engineering career.

### SKILLS

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Kotlin | Java | Spring Boot | PostgreSQL | REST API | Microservices | Docker | Kubernetes | Kafka | Git | Vaadin | JetBrains Exposed | HL7 | Google Protobuf | AWS

### EDUCATION

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**Modern Humanitarian Academy**

**2004–2008**

*Bachelor of Engineering and Technology, Computer Science*

*Yekaterinburg, Russia*

### ADDITIONAL COURSES

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Advanced Development in Java, Hexlet, (2019, Online)