

ALEX KOWALSKI

Junior Scala Developer

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SUMMARY

Junior developer with hands-on experience building REST APIs in Play Framework and data pipelines with Apache Spark. Comfortable with functional programming patterns, immutable data structures, and test-driven development. Looking to join a team where I can contribute to production services from day one.

[Recruiter's Note - Hannah]: The summary names specific tools (Play, Spark) and concepts (FP, TDD) instead of saying "passionate learner." That is what passes the 6-second scan.

PROJECTS

Real-Time Chat Server (Akka)

- Built a WebSocket chat server using Akka Actors and Akka Streams. Supported 50 concurrent users with message delivery guarantees. Wrote 40+ unit and integration tests with ScalaTest.

Event Pipeline (Spark + Kafka)

- Developed a Spark Structured Streaming job that consumed Kafka events, cleaned and aggregated 50 GB of logs, and wrote results to Parquet on HDFS. Reduced downstream reporting time by 85%.

[Recruiter's Note - Hannah]: Personal projects listed like this look identical to commercial work. The numbers (50 users, 50 GB, 85%) give me something concrete to evaluate.

REST API for Bookstore (Play Framework)

- Designed a CRUD API with JWT-based authentication using Play Framework and Slick ORM. Deployed to a VPS with Docker Compose and configured CI via GitHub Actions.

LANGUAGES

Polish
Native



English
Proficient



TECHNICAL SKILLS

Programming Languages

Scala, Java, SQL, Python (scripting)

Backend & Functional Programming Frameworks

Play Framework, Akka Actors, Akka Streams, http4s, Cats

Big Data & Distributed Systems

Apache Spark, Hadoop HDFS, Apache Kafka

Build Tools, Databases & DevOps

sbt, Maven, Git, Docker, GitHub Actions, PostgreSQL, Redis

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