Ava Garcia

Software Engineer

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SUMMARY

A highly technical Software Engineer with 5 years of experience specializing in building data-intensive, event-driven distributed systems. Proficient in Java and Scala, with deep expertise in technologies like Apache Kafka and Spark. Passionate about architecting and implementing systems that can process massive volumes of data in real-time.

STRENGTHS

Distributed Systems: Strong theoretical and practical knowledge of distributed systems concepts, including data consistency, fault tolerance, and scalability.

Event-Driven Architecture: Expertise in designing and building systems around an event-driven model using messaging queues like Apache Kafka.

Big Data Processing: Proficient in using frameworks like Apache Spark for large-scale, parallel data processing and transformation.

Backend Performance: Focused on writing high-performance, concurrent code capable of handling high throughput and low latency requirements.

TECHNICAL SKILLS

Languages: Java, Scala, Python, SQL

Frameworks & Platforms: Apache Kafka, Apache Spark, Akka, Spring Boot, Hadoop Ecosystem

Cloud & DevOps: AWS (S3, EMR, Kinesis), Docker, Kubernetes

Databases: Cassandra, PostgreSQL, ScyllaDB

PROFESSIONAL EXPERIENCE

Software Engineer, Data Platforms | StreamIntellect Inc. | July 2022 - Present

- Designs and develops core components of a real-time data processing platform using Java, Scala, and Apache Kafka.

- Implemented a data ingestion service capable of handling over 100,000 events per second, ensuring reliable data flow into the core system.

- Built and optimized Apache Spark jobs for large-scale data aggregation and enrichment, reducing processing time for key pipelines by 60%.

- Collaborated on the architectural design of a new event-sourcing system to ensure data immutability and auditability.

- Participated in code reviews and technical design sessions, championing best practices for building resilient, scalable systems.

Software Engineer | Analytics Corp. | June 2020 - July 2022

- Contributed to a batch data processing system using Java and Hadoop MapReduce.

- Gained foundational experience with distributed computing and database systems.

PROJECTS

Real-Time Streaming Data Pipeline: Built a personal project that simulates a real-time analytics pipeline. The project uses Kafka to stream mock user events, a Spark Streaming application to process and aggregate the events, and stores

the results in a Cassandra database.

EDUCATION

Master of Science in Computer Science | University of Washington | 2018 - 2020

Bachelor of Science in Computer Science | University of Washington | 2014 - 2018