



Technical Solution Architect (Event-Driven Architecture)

BRUSSELS

External Description

Technical solution architect (Event-Driven Architecture)

bpostgroup strives to create an inclusive environment with challenging projects and inspiring collaborations. With our employees at the heart of our organization, we don't believe in jobs, we believe in careers. We're now looking for a technical solution architect EDA who will make us move.

Your mission:

We are seeking a seasoned Technical Solution Architect with a specialized focus on Event-Driven Architecture (EDA) to guide the design and implementation of cutting-edge, scalable solutions. Leveraging expertise in Confluent Kafka, AWS (with some Azure exposure), and a backend technology stack primarily based on Java and Node.js, this role will ensure architectural consistency, solution quality, and best practices. The ideal candidate will act as a bridge between technical and business teams, helping developers adopt robust, scalable, and efficient EDA principles while addressing challenges like eventual consistency, memory optimization, out-of-order processing, and Avro schema management,... **Key Responsibilities:**

- o Architectural Leadership:
 - § Design scalable, secure, and efficient event-driven solutions aligned with business goals.
 - § Develop and enforce architectural standards and guidelines for EDA implementations.
 - § Ensure platform consistency across multi-cloud environments (AWS and Azure).
- o Platform Development & Guidance:
 - § Assist and guide development teams in implementing Kafka Streams, producers/consumers,...
 - § Create and review technical designs for coherence, scalability, and resilience.
 - § Provide expertise in addressing common EDA challenges, including out-of-order events, at-least-once delivery models, and stream memory management.
- o Collaboration:
 - § Work closely with product owners, developers, and business analysts to translate business requirements into technical architectures.
 - § Partner with DevOps teams to establish CI/CD pipelines and ensure seamless deployment of EDA solutions.
- o Platform Support & Troubleshooting:

§ Provide support for Kafka platform, including setup, optimization, and troubleshooting of brokers, producers, and consumers.

§ Design disaster recovery (DR) plans, replication strategies, and multi-region Kafka configurations.

o Innovation and Best Practices:

§ Stay updated on the latest advancements in EDA and Kafka technologies to identify and implement continuous improvements.

§ Ensure compliance with data security standards and establish governance practices for Avro schemas.

Your profile:

We do not only deliver letters and parcels, but also opportunities. This job is open to all with diverse backgrounds and talents, possessing the following skills:

- o 10+ years in software architecture/design, with 5+ years focusing on event-driven architecture.
- o Expertise in Confluent Kafka (multi-region clusters, brokers, connectors) at scale (50M+ events/day).
- o Proven experience with AWS (Lambda, DynamoDB, S3, RDS, SQS, SNS, CloudWatch) and Azure platforms.
- o Hands-on development expertise in Java (Spring Boot) and Node.js, with a solid understanding of asynchronous programming models.
- o Deep knowledge of EDA principles, including event sourcing, CQRS, and eventual consistency, and how to address these in frameworks like Kafka Streams, Spring Boot (for Java), and Node.js-based event handling libraries.
- o Strong understanding of Kafka Streams, Avro schema management, and Kafka security best practices.
- o Experience with API-driven architectures (RESTful APIs, API gateways).
- o Proficiency in containerization and orchestration tools (Docker, Kubernetes, AWS ECS/EKS).
- o Proficiency in memory and performance optimization techniques for stream processing.
- o Excellent communication skills with the ability to translate complex technical concepts to business stakeholders.
- o Strategic thinker with strong analytical and problem-solving capabilities.
- o Proven leadership skills, including guiding and mentoring development teams.

Our offer:

Like a long-awaited parcel, we want to make you feel welcome and valued. Our offer includes:

- Competitive monthly salary
- Meal vouchers
- Hospitalization-, group- and disability insurances
- A phone subscription and company car
- 20 days of statutory leave and 7 additional extralegal days off
- An end-of-year and performance-based bonus and double holiday pay
- Many benefits from more than 100 bpost-partners

Why bpostgroup?

bpostgroup is Belgium's leading postal operator and a growing parcel & omni-commerce logistics partner globally. With a **focus on social and environmental sustainability**, we aim to be a trusted guide in a changing world. As our newest team member you will:

- Become part of the **bpostgroup family** with a unique atmosphere and culture.
- Enjoy a **dynamic work environment** with a hybrid model allowing for flexibility.
- Have access to **continuous learning and development** opportunities.
- Have a direct **impact on decision-making** in an international success story.
- Thrive in a **leadership culture** centered on visioning, sense making, innovation, and relating, empowering you to lead effectively in our forward-thinking organization.

Find out more [about bpostgroup](#)

No match?

[Explore other exciting job opportunities with us.](#)

More info?

Feel free to reach out to Sara Van Reepingen