

# Jabir Minjibir

Principal-Level Systems Architect

Ottawa, Ontario, Canada

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## Professional Summary

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Principal-Level Systems Architect with 10+ years of experience designing high-throughput distributed platforms. Expert in **Domain-Driven Design (DDD)**, **Event Sourcing**, and **Microservices**, with a focus on modernizing legacy systems and reducing operational costs. Proven track record of bridging the gap between architectural strategy and engineering execution—mentoring teams to adopt cloud-native standards, CI/CD best practices, and rigorous code governance. Currently pivoting to the .NET ecosystem to apply distributed systems expertise to enterprise environments.

## Technical Skills

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**Architecture & Patterns:** Distributed Systems, Domain-Driven Design (DDD), CQRS, Event Sourcing, Microservices

**Cloud & DevOps:** AWS, Kubernetes, Podman/Docker, CI/CD Pipelines, Terraform, Linux, Git

**Data & Streaming:** Apache Kafka, ScyllaDB, ClickHouse, PostgreSQL, Redis, Event Streaming

**Languages & Frameworks:** Scala (Expert), Java, C#/.NET (Transitioning), TypeScript, Pekko/Akka Ecosystem

**APIs & Protocols:** gRPC, Protobuf, REST, OpenAPI/Swagger

## Professional Experience

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**Senior Software Engineer**

**October 2024 – October 2025**

PureFacts Financial Solutions, Toronto, ON

- Led comprehensive platform review of concurrency frameworks, reducing system complexity by 35% for large-scale distributed deployments supporting 500K+ daily financial transactions.
- Architected migration to container-based, cloud-local developer environments, reducing AWS operational costs by \$45K annually while improving development velocity by 40%.
- Developed and enforced standardized cloud-compatible code linting and formatting practices, decreasing technical debt by 25% and improving maintainability across fintech microservices.
- Resolved critical database exception handling issues in cloud-based financial platform, ensuring 99.9% data integrity and eliminating production outages.

**Senior Software Consultant**  
Improving Ottawa Inc., Ottawa, ON

**February 2022 – October 2024**

- Defined the architectural strategy for a high-throughput financial platform, selecting Kafka and Event Streaming patterns to guarantee sub-second latency for 100k+ users.
- Designed the core gRPC and Protobuf interfaces for the event-driven system, enabling the fault-tolerant, high-performance coordination of complex workflows across multiple microservices.
- Partnered with product and platform teams to engineer and standardize robust communication patterns, including REST APIs and pub/sub messaging, for a cloud fintech application serving over 100,000 users.

**Senior Developer (Scala/Akka)**  
YoppWorks Inc., Ottawa, ON

**September 2021 – February 2022**

- Developed event-sourced, CQRS cloud backend services using Scala, Akka, and streaming technologies, supporting audit-level data consistency for financial applications.
- Piloted microservices architecture patterns and evaluated distributed system designs for high-availability cloud production environments processing 500K+ daily operations.
- Ensured data integrity across microservices by implementing the Saga pattern, which coordinates a series of local ACID transactions to achieve eventual consistency for complex business workflows.
- Mentored other developers on reactive programming principles and functional programming paradigms in Scala.

**Senior Software Engineer / Founding Engineer**  
ITC Systems, Kano, Nigeria

**June 2020 – August 2021**

- Led integration efforts with major national banks to support tax invoice generation, payment collection, accounting, and financial reporting on our platform. Ensured secure and reliable financial workflows to meet compliance and operational requirements.
- Architected and led build-out of Akka/Scala/Redis based distributed system for high-performance, cloud-scale financial data processing handling billions of Naira monthly.
- Mentored engineering teams of 5+ developers on modern development practices, reactive architectures, and cloud deployment strategies.
- Established technical standards and architectural patterns that became company-wide best practices, reducing development time by 30%.

**Senior Software Engineer**  
*Byteworks, Abuja, Nigeria*

**March 2020 – June 2020**

- Optimized backend services in Java/Spring Boot for high concurrency, achieving 5x performance improvement in cloud environments through caching and async processing.
- Designed cloud-ready microservices infrastructure with AWS for scalable, distributed fintech solutions serving 100K+ users across multiple regions.

## Software Developer

SW Global, Abuja, Nigeria

February 2019 – March 2020

- Led refactoring initiatives transitioning monolithic systems to microservices using Scala and Play Framework, reducing deployment time by 60%.
- Engineered a queue management system to facilitate daily cash collection for bureau de change agents from the Central Bank of Nigeria (CBN).
- Built robust identification number generation algorithms with Java 8 for government-scale applications serving 10M+ citizens.

## Software Engineer

Kano State Internal Revenue Service, Kano, Nigeria

January 2017 – February 2019

- Managed cloud/Unix deployments and drove team productivity improvements through modern tooling adoption and DevOps practices.
- Coordinated cross-functional teams to implement License Plate Management System serving statewide operations with 99.5% uptime.
- Optimized database queries and implemented caching strategies, reducing response times by 70%.

## Software Developer

Cyapex Digital Solutions, Kano, Nigeria

November 2014 – December 2016

- Developed and implemented custom software solutions for local businesses, focusing on efficiency and operational improvements.
- Gained foundational experience in full-stack development, database management, and client-facing project delivery.
- Collaborated directly with clients to gather requirements, design features, and ensure successful deployment of tailored applications.
- Contributed to all phases of the software development lifecycle for various small-scale projects.

## Education

### Master of Science, Computer Science

African University of Science & Technology, Abuja, Nigeria

2016 – 2017

### Bachelor of Science, Computer Science

Bayero University, Kano, Nigeria

2009 – 2013

## Certifications

**Certified Reactive Architect** – Lightbend Inc. (2020)

**Lightbend Akka Cluster Sharding (Scala) – Level 2** – Lightbend Inc. (2020)

**Oracle Certified Associate, Java SE 8 Programmer** – Oracle (2018)