

KG

Kainan Gabriel

Senior Software Engineer | Cloud & DevOps Specialist

Open to Opportunities

Senior Software Engineer with over 5 years of experience building high-availability critical systems for the financial sector. Expert in distributed architectures, microservices, and event-driven systems using Node.js, .NET/C#, AWS, Kubernetes, Kafka, and RabbitMQ. Currently at BTG Pactual, Latin America's largest investment bank, leading engineering initiatives in the Corporate Cash team with focus on high-volume processing and system resilience.

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5+

YEARS OF EXPERIENCE

2

AWS CERTIFICATIONS

MBA

USP IN PROGRESS

50M+

TRANSACTIONS/MONTH

XP

PROFESSIONAL EXPERIENCE

Software Engineer

Aug 2023 - Present

BTG Pactual - Latin America's Largest Investment Bank

Sao Paulo, SP | Hybrid Model

Software Engineer in the Corporate Cash team, responsible for high-volume critical systems for financial statements and bank reconciliation, processing millions of daily transactions with 99.99% availability.

IMPACT METRICS

50M+

TRANSACTIONS/MONTH

99.99%

UPTIME SLA

-40%

LATENCY

KEY RESPONSIBILITIES

- Architecture and development of microservices in Node.js (NestJS) and Elixir for real-time bank statement processing with Kafka (10k+ msgs/second)
- Implementation of distributed financial reconciliation system with C#/.NET Core 8, processing \$400M+ in monthly transactions
- Design of event-driven pipelines using Apache Kafka and RabbitMQ with exactly-once guarantees and message ordering
- Implementation of resilience strategies: Circuit Breaker, Retry Policies, Bulkhead Pattern, and Dead Letter Queues
- Configuration of Kubernetes clusters (EKS) with auto-scaling based on custom Kafka lag metrics
- Creation of observability dashboards with Datadog, Grafana, and Prometheus for SLIs/SLOs

MAIN STACK

Node.js

NestJS

C#/.NET Core

Apache Kafka

RabbitMQ

Kubernetes

AWS

PostgreSQL

DynamoDB

Redis

Terraform

Datadog

Backend Developer

Jan 2023 - Jul 2023

Sinqia - Leader in Financial Market Technology

Sao Paulo, SP | Remote

Backend Developer specialized in payment systems, working on core service development for PIX, bank slips, and critical payment infrastructure for banks and fintechs.

IMPACT METRICS

2M+

PIX/DAY

-60%

LATENCY

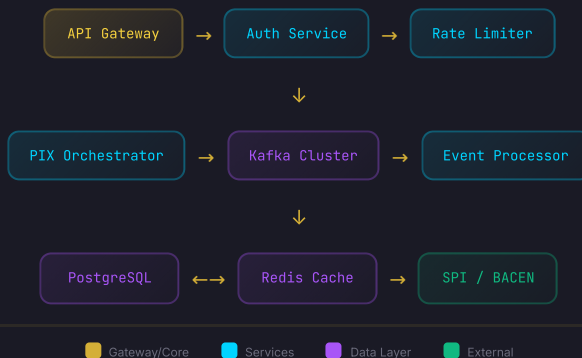
99.95%

AVAILABILITY

KEY RESPONSIBILITIES

- Development of Node.js microservices for real-time PIX transaction processing, integrating with Brazil's Central Bank SPI
- Implementation of CQRS architecture for read/write separation in high-concurrency systems
- Design of event sourcing with Apache Kafka for complete financial transaction auditing
- Development of bank slip generation system with multi-bank integration (500k+ slips/month)
- Implementation of DDD with clear bounded contexts for PIX, Bank Slips, and Wire Transfers

PIX SYSTEM ARCHITECTURE



STACK

Node.js

TypeScript

Apache Kafka

PostgreSQL

CQRS

Event Sourcing

Docker

Kubernetes

Senior Backend Engineer | DevOps | SRE

Jan 2022 - Jan 2023

Ativo - Payments Fintech

Sao Paulo, SP | Hybrid

Strategic role in high-criticality payment gateway, with hybrid responsibilities in backend development, DevOps, and SRE.

IMPACT METRICS

\$100M+

PROCESSED/MONTH

-70%

MTTR

99.9%

SLA

KEY RESPONSIBILITIES

- Leadership in on-premise to AWS infrastructure migration, reducing costs by 45%
- Architecture of messaging system with RabbitMQ for async processing (50k msgs/min)
- Development of .NET Core/C# services for acquirer integration (Cielo, Rede, Stone)
- Implementation of IaC with Terraform, managing 200+ AWS resources
- Observability stack: Prometheus + Grafana + AlertManager + PagerDuty

STACK

Software Architect / Full-Stack Developer

Jan 2021 - Jan 2022

Squadra Digital - Technology Consulting

Belo Horizonte, MG | Remote

Software Architect on large-scale projects for enterprise clients, including banks, retail, and government.

— IMPACT METRICS

5

PROJECTS

-50%

TIME TO MARKET

12

DEVS MENTORED

KEY RESPONSIBILITIES

- Solution architecture for payroll loan system using .NET Core and microservices (\$20M+/month)
- Development of SPA applications in React/Next.js with SSR and Core Web Vitals optimization (score 95+)
- Implementation of RESTful APIs in C#/.NET Core following Clean Architecture and SOLID
- Design of CI/CD pipelines with Azure DevOps for automated deployment to AKS
- Squad leadership of 6 developers with code reviews and architecture sessions

STACK

C#/.NET Core

React

Next.js

Azure

Kubernetes

TypeScript

SQL Server

Redis

Full-Stack Software Developer

Jan 2020 - Jan 2021

Navi (Liava) | Bondy | Grupo Mais Valor

Sao Paulo, SP | Remote

Full-Stack Developer at startups and tech companies, working on diverse projects in fintech, HR tech, and credit systems.

NAVI - FUNDAMENTAL ANALYSIS PLATFORM

- Backend in Python/Django for stock fundamental analysis platform with ML (TensorFlow)
- Data pipelines for processing financial indicators from 500+ companies
- GraphQL APIs for efficient data consumption by mobile app

BONDY - EMPLOYER BRANDING PLATFORM

- Full-Stack development in C#/.NET Core and React for talent management
- Candidate matching system using similarity algorithms
- Integration with LinkedIn and other recruitment platforms via REST APIs

STACK

Node.js

C#/.NET Core

Python

React

GraphQL

PostgreSQL

MongoDB

TensorFlow



AWS Solutions Architect Associate

Amazon Web Services | SAA-C03

2024 - Valid until 2027



AWS Developer Associate

Amazon Web Services | DVA-C02

2024 - Valid until 2027



Ignite - Node.js Track

Rocketseat

2023



Ignite - React Track

Rocketseat

2023

BE Backend & Languages

Node.js / NestJS / Express	●●●●●
C# / .NET Core / ASP.NET	●●●●□
TypeScript / JavaScript	●●●●●
Python / Django / FastAPI	●●●●□
Elixir / Go / Java	●●●□□

MQ Messaging & Streaming

Apache Kafka	●●●●●
RabbitMQ / AMQP	●●●●●
AWS SQS / SNS / Kinesis	●●●●□
Event Sourcing / CQRS	●●●●□
Redis Pub/Sub	●●●●□

AW Amazon Web Services

EC2 / ECS / EKS	●●●●●
Lambda / Step Functions	●●●●□
RDS / Aurora / DynamoDB	●●●●●
S3 / CloudFront / Route 53	●●●●●
IAM / Secrets Manager / KMS	●●●●□

K8 Kubernetes & Containers

Kubernetes (EKS/AKS/GKE)	●●●●□
Docker / Docker Compose	●●●●●
Helm / Kustomize	●●●●□
ArgoCD / GitOps	●●●●□
Istio / Service Mesh	●●●□□

DB Databases & Cache

PostgreSQL / Aurora	●●●●●
MongoDB / DocumentDB	●●●●□
Redis / ElastiCache	●●●●●
Elasticsearch / OpenSearch	●●●●□
DynamoDB / SQL Server	●●●●□

OB Observability & SRE

Datadog	●●●●●
Prometheus / Grafana	●●●●□
ELK Stack / OpenSearch	●●●●□
Jaeger / OpenTelemetry	●●●□□
PagerDuty / OpsGenie	●●●●□

IC Infrastructure as Code

Terraform	●●●●●
AWS CDK	●●●●□
CloudFormation	●●●●□
Pulumi / Ansible	●●●□□

CI CI/CD & DevOps

GitHub Actions	●●●●●
GitLab CI/CD	●●●●□
Azure DevOps	●●●●□
ArgoCD / Flux	●●●●□

AR ARCHITECTURE & DESIGN PATTERNS

MS Microservices & Distributed

Microservices Architecture	●●●●●
Event-Driven Architecture	●●●●●
Domain-Driven Design (DDD)	●●●●○
Clean Architecture / Hexagonal	●●●●●
Saga Pattern / Choreography	●●●●○

DP Design Patterns & Principles

SOLID Principles	●●●●●
GoF Design Patterns	●●●●○
Circuit Breaker / Bulkhead	●●●●●
TDD / BDD	●●●●○

ED EDUCATION

MBA - Software Engineering

University of Sao Paulo (USP)

Aug 2024 - Jul 2026 | In Progress

Specialization in Software Architecture, Cloud Computing, DevOps, and Agile Methodologies.

Bachelor's - Computer Science

Cruzeiro do Sul University

Jan 2018 - Dec 2022

Complete degree with emphasis on Software Engineering, Data Structures, and Algorithms.

Ignite - Node.js, React & React Native

Rocketseat

Jan 2022 - Dec 2023

Intensive bootcamp focused on modern Full-Stack development and cloud.

English - Business English

CNA Languages

Aug 2021 - Present

Advanced course focused on technical communication. Level B2 (Upper-Intermediate).

LG LANGUAGES

Portuguese (Brazil)

Native

English

Advanced (B2)

PJ FEATURED PROJECTS

Financial Reconciliation System - BTG Pactual

Banking

Distributed system for automatic real-time financial transaction reconciliation, processing millions of daily transactions with integration to multiple bank legacy systems.

50M+

TRANSACTIONS/MONTH

\$400M+

VALUE PROCESSED

-40%

MANUAL TIME

Node.js

Kafka

Kubernetes

PostgreSQL

Redis

Datadog

AVAILABILITY

Available for opportunities in Sao Paulo (hybrid/on-site) or 100% remote. Open to challenging projects in fintechs, banks, and cutting-edge technology companies. Special interest in Staff/Principal Engineer or Tech Lead positions.