

KEVIN KURNIAWAN

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SUMMARY

Lead Backend Engineer with 8+ years of experience building and operating high-scale distributed systems in fintech and e-commerce. Experienced in developing stock and crypto trading platforms, market data pipelines, and backend services handling hundreds of millions of transactions. Strong background in Java, Spring Boot, microservices, and event-driven architectures, with proven ownership of production systems and cross-functional collaboration.

WORK EXPERIENCE

Ajaib Sekuritas Asia

Senior Backend Engineer - Lead Backend Engineer (Stocks and Crypto)

Jakarta, Indonesia

Sep 2021 - Present

- Led backend teams developing reactive microservices for trading and ledger systems, including Order & Trading Management, Stock Ledger, and Stop Loss / Take Profit features, processing over 110 million transactions and 27 million asset movements.
- Built and scaled stock backend services handling approximately 300k requests per minute (RPM), improving performance and scalability through Redis and Caffeine caching strategies.
- Owned crypto brokerage backend systems for spot and futures trading, including trade execution, deposits, withdrawals, and margin management, and improved coin portfolio API latency from ~5s to ~300ms under peak traffic (~1,800 RPS).
- Delivered new derivatives features including IDR Perpetual Futures, enabling local-currency futures trading.
- Initiated and led data archival tooling with Data and DevOps teams to offload historical data to the data warehouse, reducing database storage costs and improving query performance.
- Transitioned into the Data & Liquidity team, owning market data pipelines such as pricing, order books, and crypto detail services.
- Maintained integrations with external liquidity providers and market makers, and led the rebuild of legacy crypto data services to improve scalability and reliability.

Global Digital Niaga (Blibli.com)

Software Design Engineer (Staff)

Jakarta, Indonesia

Mar 2017 - Sep 2021

- Led development and maintenance of Click and Collect services, contributing approximately 3% of Blibli's total sales.
- Integrated Click and Collect systems with major merchant partners including Alfamart Store and Shop & Drive.
- Contributed to high-impact projects such as Samsung GLP Fold, S20+, and Note 20 launches, generating hundreds of millions in GMV.
- Developed and maintained backend systems for Order Fulfillment and Seller Platform teams.
- Mentored new engineers, served as intern lecturer, and conducted technical interviews.

Bina Nusantara University - IT Division

Junior Programmer

Jakarta, Indonesia

Mar 2015 - Feb 2017

- Developed and maintained BinusMaya 5 (student portal).
- Contributed to Scoring and Advisory Program module revamps.
- Implemented NFC-based library activity system.

SKILLS

Backend & Architecture:	Java, Spring Boot, Reactive Microservices, Kafka, Google Cloud Platform (GCP)
Databases & Cache:	PostgreSQL, Timescale DB, MySQL, MongoDB, Redis, Caffeine
Tooling & Operations:	Git, Jenkins, Maven, NewRelic, Grafana, Loki, OpenTelemetry

EDUCATION

Bina Nusantara University

BS Computer Science *GPA: 3.92*

Jakarta, Indonesia