

# Kevin Nathanael Taufiek

## Software Engineer

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### PROFESSIONAL SUMMARY

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Software Engineer with 3+ years of experience designing and building high-throughput, event-driven distributed systems in enterprise banking environments. Specialized in React and Java Spring Boot. Proven track record of modernizing legacy systems under tight deadlines, reducing batch processing windows of 5+ hours down to near real-time processing in seconds. Experienced in taking full technical ownership from architecture and development to CI/CD, deployment, and production incident response in regulated, high-stakes environments.

### TECHNICAL SKILLS

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**Languages & Frameworks:** Java, Spring Boot, TypeScript, React

**Distributed Systems & Messaging:** Apache Kafka, IBM MQ, Event-Driven Architecture, Microservices

**Database & Caching:** Oracle SQL (Views, Functions, Stored Procedures), Redis (Cache, Distributed Locking)

**Infrastructure & DevOps:** OpenShift (OCP), Kubernetes, Jenkins (CI/CD)

**Observability & Tooling:** Elastic Stack (Kibana), IBM Instana, Git

### PROFESSIONAL EXPERIENCE

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#### PT Bank Central Asia Tbk (BCA) -- Jakarta, Indonesia

##### IT Specialist -- Software Engineer, Treasury Division | May 2023 - Present

- Architected and led a full redesign of a legacy regulatory treasury system under a hard 3-month deadline, migrating from a 5+ hour nightly batch job to an event-driven microservices architecture, achieving near real-time processing in seconds.
- Built high-frequency backend pricing validation services processing thousands of transactions daily, preventing financial loss by automatically verifying dealer transactions against real-time market thresholds.
- Designed and implemented Kafka and IBM MQ producers/consumers for market data ingestion and core treasury system integration, replacing error-prone manual uploads with fully automated streaming pipelines.
- Engineered Redis caching and distributed job scheduling (ShedLock) to handle high-throughput data bursts, reducing database load and improving system stability under peak trading hours.
- Built Reporting Express, a centralized reporting platform integrating multiple applications and standardizing automated reporting workflows across the Treasury division.
- Developed an orchestrator service consolidating streaming deal data from multiple aggregators and core systems, ensuring data consistency and near real-time availability for downstream consumers.
- Launched an e-Stamping integration that fully eliminated manual operational steps, improving compliance process efficiency for the Treasury team.
- Built an internal support application that streamlined Treasury operational workflows, improving team efficiency by approximately 80%.
- Maintained and evolved internal Spring Boot (Java) and React (TypeScript) shared libraries, standardizing development practices and accelerating feature delivery across teams.
- Acted as primary technical owner (PIC) across multiple production systems: end-to-end responsibility for system design, deployment, CI/CD pipeline, code review, and on-call incident response on OpenShift (OCP).
- Led cross-functional collaboration between engineering, QA, and business stakeholders to align technical design with business requirements and delivery timelines.

#### PT Bank Central Asia Tbk (BCA) -- Jakarta, Indonesia

##### BCA Internship Program -- Application Developer | Feb 2022 - May 2023

- Researched and implemented Micro Frontend architecture using Webpack Module Federation, establishing a new deployment standard for the treasury UI enabling independently deployable frontend components.

- Maintained microservices-based applications in an enterprise-grade banking environment with strict uptime and compliance requirements.
- Executed comprehensive System Integration Testing (SIT) across distributed microservices and micro frontends.
- Deployed and validated services on OpenShift (OCP) as part of standard release workflows.
- Collaborated with UAT teams and business stakeholders to validate features against business requirements.

## **EDUCATION**

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### **Bina Nusantara (BINUS) University -- Jakarta, Indonesia**

Bachelor of Computer Science, Major: Computer Science, Minor: Software Engineering | 2019 - 2023

GPA: 3.85 / 4.00

## **ACHIEVEMENTS & AWARDS**

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### **1st Place -- Huawei Apps UP 2022 (University-wide Hackathon) | 2022**

Won 1st place among 802 students. Built Kraepelin, a cognitive assessment mobile app integrating Huawei Mobile Services (HMS Core), selected as top team out of 10 finalists.

### **Scholarship Mentor -- BINUS University | 2021 - 2023**

Guided mentees in academic and personal development across two consecutive scholarship periods.

### **Beasiswa Juara Recipient -- Kompas & Avian**

Awarded for outstanding academic achievement and demonstrated potential.