KEVIN NATANAEL

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SUMMARY

Software Engineer with a strong foundation in backend and full-stack development, experienced in building reliable and maintainable systems using Java, JavaScript, and Go. Has hands-on experience working on production-grade applications with high reliability requirements, focusing on backend services, APIs, and database-driven systems. Passionate about designing scalable solutions that deliver stability, efficiency, and long-term maintainability across diverse industries.

WORK EXPERIENCE

Application Developer   Jan 2025 – Jan 2026
PT Bank Central Asia Tbk, Jakarta
- Developed high-reliability Java Spring Boot applications for core banking transactions, ensuring system stability and superior uptime for critical financial processes.
- Modernized 5+ core transaction modules (ISO8583) by leading system upgrades and integrating robust monitoring capabilities to prevent failures.
- Automated key configuration processes using Java, increasing deployment accuracy and reducing manual setup time by an estimated 30%.
- Architected a fail-safe transaction routing layer using Spring Boot, ensuring continuous service delivery despite external network instability.

Programming Teacher   Aug 2024 – Present
Timedoor Academy, Jakarta
- Led hands-on development of 40+ web and game projects using JavaScript and Python, improving project completion and technical proficiency across 43 students.
- Guided end-to-end project implementation, applying backend logic, debugging practices, and code reviews to improve code quality and on-time delivery.

Assistant Lecturer   Aug 2023 – Dec 2024
Tarumanagara University, Jakarta
- Applied algorithmic thinking and data structure principles to mentor 331 students, contributing to a 94% course completion rate across multiple computer science subjects.
- Designed 65 technical exercises and solutions to enhance students' problem-solving skills in core CS subjects.
- Assisted in curriculum delivery and grade management in collaboration with lead faculty.

PROJECTS

JakOlah *(Next.js, FastAPI, PostgreSQL)* | [Repository](#)
- Solved inefficient waste classification and location tracking by building a full-stack system integrating backend APIs, real-time image classification, and geospatial data processing.
- Integrated real-world waste location datasets in collaboration with *Dinas Lingkungan Hidup DKI Jakarta* to improve data accuracy and practical usability for field-level monitoring.

ShoeZone *(Node.js, Express.js, MongoDB)* | [Repository](#)
- Designed backend REST APIs and schemas for e-commerce product, order, and user workflows.
- Implemented server-side business logic to ensure data consistency and support scalable application workflows.

EDUCATION

Bachelor of Informatics Engineering   Aug 2022 – Jan 2025
Tarumanagara University, Jakarta
GPA 3.99 of 4.00

SKILLS

- Programming Languages: Java | JavaScript | Go | Python.
- Frameworks & Libraries: Spring Boot | Node.js | Express.js | React | Vue | Tailwind CSS | Bootstrap.
- Databases: PostgreSQL | MongoDB | Oracle SQL | Firebase | MySQL.
- Tools & Platforms: Git | Postman | Docker | Linux | Jira | Vite | Vitest | Jest | Webpack.
- Languages: Indonesian (Native) | English (Professional) | Japanese (Basic).