Kefas Kurnia Jonathan

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SUMMARY

Informatics student at Institut Teknologi Bandung and a full-stack engineer who ships to production. Interned at PT Askrindo building M-BIS, a Flutter and Spring Boot platform that pulls the insurance sales cycle into one app for 600+ staff, presenting it to the Director of Business and running the rollout across three provinces. Also built Lexicon, a regulatory workflow system, end to end, and presented it to the Director of Compliance and Human Capital. Head Coordinator of the Software Engineering Lab assistants, Vice CEO of a student-run software house, and head of frontend for the new KM ITB website.

EDUCATION

BANDUNG INSTITUTE OF TECHNOLOGY Bandung, Indonesia
Bachelor of Science, Informatics Engineering July 2023 - Present
CGPA: **3.73/4.0**
Relevant Coursework: Website Development, Software Engineering, Mobile Application Development, Algorithm and Data Structures, Algorithm Strategy, Object-Oriented Programming, Artificial Intelligence, Database, Database System

TECHNICAL SKILLS

- **Languages**: Java, TypeScript, JavaScript, Dart, Python, SQL, PHP, C.
- **Backend**: Node.js, REST API, JWT, Spring Boot, Flyway.
- **Mobile & Frontend**: React.js, Next.js, TailwindCSS, HTML5/CSS3, Flutter.
- **Databases**: PostgreSQL, MySQL, MariaDB.
- **Engineering & DevOps**: SDLC, Agile/Scrum, MVC architecture, Docker, Vercel, Coolify
- **Tools**: Git, Figma, SonarQube, K6

EXPERIENCE

Full Stack Developer Intern | Play Store and Live Page Bandung, Indonesia
PT Asuransi Kredit Indonesia (Askrindo) June 2026 - August 2026

- **M-BIS**, **Marketing Business Intelligence System** (Flutter, Spring Boot, PostgreSQL). One Flutter codebase runs on **Android**, **iOS**, and **web**: **60+ screens**, **36** REST **controllers**, **600+ users**. It covers the whole sales cycle: pipeline, field visits with GPS check-in, commissions, premium calculation, and dashboards. All **12 roles** see only their own territory, and the server enforces that, not the client.
- Presented M-BIS to the **Director of Business**, then ran rollout and training for branch teams in **Tangerang**, **Makassar**, and **Mataram**. Fixed what the field reported and covered it with regression tests, and took the system through SIT and UAT across **57 test cases** and **39** traced **features**.
- **Lexicon, regulatory repository and approval system** (Next.js 16, Spring Boot, PostgreSQL). Replaced a paper policy process with a **12-stage** approval workflow across **23 divisions**. Reviewers are picked automatically from the document hierarchy, and signing follows a fixed four-role order. Search combines keywords and vectors and reads inside scanned PDFs through OCR. Every action is checked against the user's role and division, and each PDF is watermarked with whoever opened it.
- Presented Lexicon to the **Director of Compliance, Human Capital and Risk Management**, and ran review rounds with the policy and legal teams. What they asked for went into the build: an admin-managed tag list, and a Pohon Kebijakan tree that orders the corpus by index code and re-files children when a document moves.

Software Engineering Laboratory Assistant | Head Coordinator Bandung, Indonesia
STEI, Institut Teknologi Bandung (ITB) Aug 2025 - Present

- **Directed** the assistant team for the core **Software Engineering** course which mentored **200+ students** by **architecting** comprehensive **assessment frameworks** and evaluating end-to-end student software projects.
- Mentored students across multiple disciplines (**Intro to SE** course and **Project Management** course) in **translating requirements** into robust system designs, enforcing **SDLC best practices**, and applying **Agile methodologies**.

Vice Chief Executive Officer Bandung, Indonesia
Inkubator IT, Himpunan Mahasiswa Informatika ITB (HMIF ITB) Apr 2026 - Present

- Co-lead **operations** and C-level recruitment for a student-run **software house**, and **advise** project teams on **execution** so B2B client relationships stay healthy and deliveries hold their quality.

Product Designer & UI/UX Engineer Bandung, Indonesia
Inkubator IT, Himpunan Mahasiswa Informatika ITB (HMIF ITB) Sept 2025 - Apr 2026

- Spearheaded the **end-to-end UI/UX design lifecycle** for internal platforms and **external B2B client projects**, translating complex business requirements into **high-fidelity**, **user-centric prototypes**.
- Architected a professional, digital platform for **Sentral Sistem Laboratory** and redesigned the **Inkubator IT official website**, collaborating closely with frontend developers to ensure **seamless technical implementation** and **responsive design**.

PROJECTS

Sahabat Karir Indonesia CMS Expansion | Live Page

- Built a **drag-and-drop page editor** in Next.js 16 and TypeScript so **non-technical** staff publish straight to production.
- Moved the organisation off WordPress onto this **CMS**, shaped around how the staff already worked.
- Wrote the built-in **help** and **documentation** so daily work no longer depended on whoever knew the internals.

Nimonspedia E-Commerce & Auction Platform

- Built a **Dockerised marketplace** with React, Node.js/Express, PHP, and PostgreSQL in a three-person **Agile** team.
- Built the commerce side: **cart**, **checkout**, **order tracking**, and a seller product **dashboard**.
- Wrote a **Socket.io** server with **Redis** sessions for **live** buyer-seller **chat** and **real-time bidding**.

Rumah Amal Salman (RAS) Blockchain Donation Tracker

- **Designed** and **built** the interface in Next.js, aiming for a tone that earns **trust** rather than one that just looks modern.
- Built the tracking view so donors can follow where their money went through a **blockchain-backed** timeline.

HONORS & AWARDS

CIMB Niaga Scholarship Awardee (Batch 2025-2027) | Jakarta, Indonesia
Issued by PT Bank CIMB Niaga Tbk Nov 2025

- Awarded a highly prestigious **national scholarship** recognizing **academic excellence**, outstanding **organizational leadership**, and strong future potential in the **technology and engineering** sector.
- Selected through a rigorous **multi-stage assessment** and interview process out of **25.000+** of undergraduate applicants across Indonesia.

Finalist, BizzIT (Business-IT Case Competition) Compfest 17 | Final Presentation Jakarta, Indonesia
Issued by FASILKOM Universitas Indonesia Sep 2025

- Secured a **Top 8 Finalist** position in a highly competitive national IT business case competition by architecting an **innovative**, s**calable technology solution** addressing real-world industry challenges.
- Bridged the gap between technical software engineering and strategic business implementation, delivering a **comprehensive system architecture**, **feasibility roadmap**, and high-fidelity prototype.

ORGANIZATIONAL EXPERIENCE

Head of Frontend Division | Live Page Bandung, Indonesia
Kabinet Keluarga Mahasiswa ITB (KM ITB) Jul 2026 - Present

- Lead a team of 7 building the new km.itb.ac.id on Next.js 16 and React 19, splitting an 84 story point backlog into four sprints and reviewing every pull request
- Own the foundation the rest of the team builds on, covering layout, design tokens, and the shared component library, plus search and filtering across the organisation directories.

Head of People Management and Development Bandung, Indonesia
Arkavidia 10.0, Himpunan Mahasiswa Informatika ITB (HMIF ITB) Aug 2025 - Mar 2026

- Directed the **human capital strategy** and talent acquisition pipeline for ITB's premier IT event, managing **registration** and **performance evaluation** for a **200+ member** organizing committee.
- Architected transparent organizational workflows and structured evaluation metrics, optimizing **operational efficiency** while fostering a culture of continuous personal and professional development.

Head of Public Relations Bandung, Indonesia
Wisuda April ITB, Himpunan Mahasiswa Informatika ITB (HMIF ITB) Mar 2025 - May 2025

- Directed the end-to-end **communication strategy** and managed public information pipelines across multiple internal and external stakeholder channels.
- Streamlined transparent and timely information delivery systems to **maximize engagement** and ensure seamless event execution for the graduating cohort.