

WINSTON NARADA KUSUMAHADI

Software Engineer · Fullstack & Mobile · AI & Data Science

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SUMMARY

Software Engineer (B.IT, AI & Data Science specialization) who ships production systems end to end — mobile, web, backend, and cloud. Delivered a ground-up CRM and **7 analytics websites** for enterprise clients in a single internship, and left the team reusable backend templates behind. Built and validated the **SGU Association App** for a **1,570-member community**, tested with **48 real users**. Runs a self-hosted, trilingual portfolio and a custom CMS on a personal Linux VPS.

PROFESSIONAL EXPERIENCE

Undergraduate Thesis Researcher — Software Engineering Dec 2025 – Jun 2026

Swiss German University

- Ran the full software-engineering lifecycle solo — requirements research, architecture, implementation, 48-user validation, and production deployment.
- Applied Technology Acceptance Model analysis (PLS-SEM) to validate adoption across the **1,570-member** community.

Salesforce Developer Apprentice — Talent Accelerator Program (part-time, concurrent) Nov 2025 – Jan 2026

TheSmartBridge

- Completed a Salesforce-backed accelerator — Apex, Lightning, and declarative automation — validated through Trailhead superbadges.
- Delivered a mentor-reviewed capstone application on the Salesforce platform.

Fullstack Developer Feb 2025 – Jul 2025

ELO Digital Office Indonesia

- Delivered a **CRM system from zero to production** and built **7 analytics websites** for enterprise clients.
- Built **5 reusable templated backend systems** and **4 reusable dashboard templates** so other developers could start new projects without writing boilerplate from scratch.
- Built Node.js web services and REST APIs, plus automation scripts for email and document workflows on the ELO ECM platform.
- Engineered interactive Vue.js data dashboards and enterprise workflow/metadata templates.

Fullstack Developer — Project-Based Virtual Intern (part-time, concurrent) Feb 2025 – Mar 2025

Qwords Cloud Web Hosting Indonesia × Rakamin Academy

- Rebuilt the company website end to end in CodeIgniter (PHP); earned a **Certificate of Excellence** for the delivered redesign.
- Prototyped feature case studies on Laravel.

Fullstack Developer Jul 2024 – Dec 2024

Komune Studio Software House

- Shipped backend services for **3 government projects** with Node.js, Express.js, and Prisma ORM.
- Enhanced **5 company websites** and **3 admin-management ticketing systems** across mobile and web.
- Built and maintained React.js and React Native applications backed by MySQL databases designed and implemented from scratch.

SELECTED PROJECTS

Personal Portfolio & Custom CMS — winstonnk.com 2026

- Split the site into two applications: a public front end whose database user **can only read**, and a separate CMS that holds the **only write access** — so a bug in the public site cannot change any content.
- Built the CMS by hand** instead of using an off-the-shelf one: hashed passwords, rate-limited login, file uploads, and a single config file that drives every admin screen, so adding a field is a **one-line change**.
- Ships in **English, Indonesian, and Japanese**. Translation runs through the **Gemini API**, with an allowlist that keeps tech names, proper nouns, dates, and URLs identical across all three languages.
- Each language has its own path (/en, /id, /jp) with **hreflang** tags, so search engines index all three versions instead of only one.

Next.js 16 · React 19 · Tailwind v4 · MySQL · Gemini API · Docker · Nginx · Linux VPS

SGU Association App — Bachelor Thesis, Swiss German University Dec 2025 – Jun 2026

- Architected and shipped a centralized mobile campus ecosystem end to end for a **1,570-member** university community.
- Validated with **48 real users: 99% task-success rate** and a System Usability Scale of **90**, against the industry baseline of 68.
- Covered JWT auth, CRUD APIs, and the MySQL layer with **30 backend unit tests** on the React.js/Node.js admin portal.
- Hardened the Linux cloud deployment: subnet-isolated the admin backend and enforced SSL, cutting exposure from open ports and unauthorized traffic.

Flutter · React.js · Node.js · MySQL · Linux (Hosting Cloud)

EDUCATION

Swiss German University — Bachelor of Information Technology 2022 – 2026

Specialization: AI & Data Science · CGPA 3.94 / 4.00

TECHNICAL SKILLS

Languages	JavaScript, TypeScript, Python, SQL (MySQL), HTML/CSS, C++, Dart, PHP
Frameworks	React.js, Next.js, Node.js, Express.js, Flutter, Vue.js, React Native, Prisma ORM, Laravel, Tailwind CSS
Cloud & DevOps	Linux, Git, Docker, Nginx, Google Cloud, Postman, Shell (Bash), Vite, Elasticsearch, Wazuh
AI & Platforms	LLM API integration (Google Gemini) in production features, Salesforce (Apex, Lightning)

CERTIFICATIONS

- Google IT Support Specialization — Google, 2023
- Google Project Management Specialization — Google, 2023
- AWS Academy Cloud Foundations — AWS Academy, 2023
- Network Defense Essentials — EC-Council, 2023
- Google Digital Marketing & E-commerce — Google, 2024
- Ethical Hacking Essentials — EC-Council, 2024
- Google Business Intelligence — Google, 2024

LANGUAGES

Indonesian — Native · English — IELTS 7 · German — A2 · Japanese — JLPT N4