ANNAS TRI WIDAGDO

Fullstack Development | Web Application Development
Klaten, Central Java | annastriw6@gmail.com | +62 821-3309-0310
https://annastriwidagdo.me (Portfolio) | https://www.linkedin.com/in/annastriwidagdo | https://github.com/annastriw

PROFESSIONAL SUMMARY

Computer Engineering graduate from Diponegoro University (GPA 3.79/4.00, cum laude), recognized as the Best Graduate of the Computer Engineering Program at the 183rd Graduation Ceremony in July 2026. Experienced in translating business requirements into web applications through system design, full-stack development, database integration, testing, deployment, and maintenance. Works with Next.js, TypeScript, Laravel, and MySQL, supported by technical documentation and stakeholder collaboration. Uses Codex, Antigravity, Kiro AI by AWS, and Claude Code, complemented by Spec-Driven Development training from Dicoding Indonesia.

TECHNICAL SKILLS

Frontend: HTML, CSS, JavaScript, TypeScript, React.js, Next.js, Tailwind CSS.
Backend & Databases: PHP, Laravel, Python, Flask, Node.js, NestJS, REST APIs, JWT, RBAC, SQL, MySQL, PostgreSQL, Prisma ORM.
Analysis & Documentation: Requirements gathering, business process analysis, SRS, user stories, acceptance criteria, ERD, UI/UX, Figma, module specifications, API documentation, user guides.
Testing & Delivery: Manual, functional, unit, integration, and end-to-end testing; Playwright, Jest, Vitest, Katalon Studio, debugging, Git/GitHub, pull requests, code review, CI/CD, Docker, Ubuntu VPS; understanding of UAT concepts.
AI & Development Practices: Codex, Antigravity, Kiro AI by AWS, Claude Code, Spec-Driven Development, context engineering, SDLC, sprints, backlogs.
Core Strengths: Analytical thinking, problem solving, stakeholder communication, teamwork.

WORK EXPERIENCE

CV Universal Kharisma Globalindo Jan–Apr 2026
Fullstack Developer Klaten, Central Java

- Gathered requirements through business-owner interviews and translated operational processes into workflows, UI/UX, and database designs.
- Developed a multi-branch ERP replacing notebook, WhatsApp, and Excel records; integrated POS, inventory, stock management, ordering, attendance, sales, operating expenses, reports, and dashboards.
- Built Next.js/TypeScript interfaces, NestJS REST APIs, and MySQL/Prisma; performed manual and Playwright end-to-end testing, deployed to Ubuntu VPS, and provided documentation, bug fixes, and maintenance.

Faculty of Engineering, Diponegoro University Aug–Sep 2025
UI/UX Designer Intern Semarang, Central Java

- Designed wireframes, user flows, and UI/UX for SITEDI and SIPERPUS, delivering implementation references to programmers.
- Created the SITEDI user guide documenting workflows, features, and usage procedures.

Puskesmas Padangsari / iHealth Edu Jun–Aug 2025
Frontend Developer Intern Semarang, Central Java

- Collaborated on a team capstone with healthcare stakeholders, translating interviews and workflow observations into UI/UX and role-based Next.js interfaces.
- Integrated REST APIs, ESP32 examination data, and machine learning decision-support results into the interfaces; supported stakeholder demonstrations.

PT Duta Basis Dataprima Jul–Aug 2024
Junior Game Developer Intern Bandung, West Java

- Processed 78 panoramas from team-provided 3D models and integrated them into 79 Unity scenes; implemented C# controls, raycast interactions, hotspots, and navigation, then presented the prototype to the director and internal team.

RELEVANT PROJECTS

View All Projects: https://annastriwidagdo.me/en/projects

UKG System – Multi-Branch ERP Jan–Apr 2026
https://www.annastriwidagdo.me/en/projects/ukg-system/
Connected branch transactions, stock movements, and operating expenses to centralized reports and dashboards. Integrated Next.js, NestJS, and MySQL/Prisma in an operational application tested manually and with Playwright.

Nusa Dakwah – Learning and Discussion Platform Jan–Feb 2026
https://www.annastriwidagdo.me/en/projects/nusa-dakwah/
Integrated Next.js with Laravel REST APIs and MySQL for content, search, forums, and administration. Implemented JWT, input validation, and moderation; performed manual/Katalon Studio testing and Docker-based deployment.

Employee Attendance System – Microservices Oct 2026
https://github.com/annastriw/employee-attendance-system
Built React/TypeScript portals with five NestJS services, REST/HTTP, JWT/RBAC, and MySQL/Prisma. Implemented Jest/Vitest unit and integration testing, API documentation, and GitHub Actions CI/CD with Docker Compose.

SIMASTOK SHR Jaya Motor – Inventory System Dec 2025–Jan 2026
https://www.annastriwidagdo.me/en/projects/simastok/
Built Laravel/MySQL workflows for role-based access, stock movements and validation, transaction history, and period/PDF reports. Performed manual/Playwright testing and Docker-based deployment.

EDUCATION

Diponegoro University August 2022–June 2026
Bachelor's Degree in Computer Engineering | GPA 3.79/4.00 | Cum Laude
Thesis: Comparative Analysis of Client-Side Rendering, Server-Side Rendering, and Static Site Generation for Frontend Performance on the Next.js-Based iHealth Edu Website.
https://eprints2.undip.ac.id/id/eprint/59746/
Compared three rendering methods across five pages using Google Lighthouse. Research Performance scores: SSR/SSG 100 on the Landing Page; SSG 89.8 on Material Content Detail; CSR 91.6 on Health Check History and 95 on DSMQ Screening Result Detail. Rendering should match data, authentication, and interactivity: SSG suits static/semi-dynamic pages, while CSR suits dynamic or user-specific pages.

AWARDS

Best Graduate, Computer Engineering Program – Diponegoro University, 183rd Graduation Ceremony, July 2026.
Cum Laude Graduate – Diponegoro University, July 2026; study duration: 3 years, 10 months, and 11 days.

RELEVANT TRAINING

Spec-Driven Development dengan Kiro – Dicoding Indonesia | October 2026.
Database Design – Oracle Academy | June 2024.
Database Foundations – Oracle Academy | June 2024.
Introduction to IoT and Digital Transformation – Cisco Networking Academy | October 2023.
HCIA-AI V3.5 Course – Huawei Talent Online | April 2024.
CCNA: Enterprise Networking, Security, and Automation – Cisco Networking Academy | January 2026.
IT Essentials: PC Hardware and Software – Cisco Networking Academy | January 2023.

LANGUAGES

Indonesian: Native.
English: Diponegoro University English Proficiency Test – TOEFL Prediction Equivalent Score 570, May 2026.