

Afriza Gilleon Ginting

Full-stack developer — TypeScript, React, Node, PostgreSQL

afriza.gilleon@gmail.com / zaa.my.id / github.com/afrizagilleon / linkedin.com/in/afrizagilleon /
Bandung, Indonesia — UTC+7, remote / Available immediately

PROFILE	I build and ship web applications end to end — React front ends, Node/Express APIs, PostgreSQL schemas, Docker deployments. My attention goes to the unglamorous half: making failures visible instead of silent .	
SKILLS	CORE TypeScript, JavaScript, HTML, CSS, React, Node.js, Express, PostgreSQL, Python ALSO PHP, Laravel, MySQL, Docker Compose, Git, REST, WebSockets, cron and webhook pipelines AUTOMATION & AGENTS Browser & DOM automation, web scraping, Model Context Protocol, Claude Code (daily driver), Hermes agents, LLM evaluation LANGUAGES Indonesian (native), English (professional working)	
SELECTED WORK	Zaatool — self-hosted workflow platform	Jun 2026 — present
	- React 19 front end, Express 5 REST API, PostgreSQL schema and migrations, Docker Compose. - One notebook definition becomes three surfaces at once: a runnable page, an HTTP endpoint, and one of 13 callable tools. - Concurrent cell edits are etag-guarded, so two writers cannot silently overwrite each other. React 19 · Express 5 · PostgreSQL · CodeMirror 6 · Docker Compose · MIT	
	dogear — browser automation, one step at a time	Jul 2026 — present
	- Chrome MV3 extension: a side panel that turns the page you are looking at into a notebook, with steps as ordinary .js files run against the live page. Public under MIT with a v0.1.0 release; continues the userscript published earlier as nb-steprunner. Runs where a strict CSP blocks eval — execution goes through chrome.userScripts, measured across a re-runnable 64-cell matrix (8 policies × 2 execution worlds × 4 probes). - A step keeps its checkpoint across a page navigation; native messaging splits on the encoded envelope at Chromium’s 1 MiB limit and is SHA-256 verified end to end. Preact · CodeMirror 6 · WXT · TypeScript · Vitest · MIT	
	Rewind-Bench — testing whether a fix actually holds	Aug 2026 · solo
EXPERIENCE	- Faults injected by AST mutation; every accepted fix re-run against a dataset it never saw. 7% of fixes that had already passed review failed on the held-out data — 67 bugs, 297 recorded episodes. - Scored 4.75 / 5 at Impact Forge Summer 2026, roughly the top 2% of 109 submissions. TypeScript · Node.js · Acorn (AST) · Vitest	
	Taurus — desktop automation for small businesses	Since Sep 2026 · in progress
	Windows desktop app that runs repetitive back-office work inside the owner’s own logged-in browser, keeping results on their machine. Desktop app · browser extension · native messaging host · not released	
	Full-Stack Engineer — independent	Feb 2026 — present
	Projects above, built end to end during a focused block on academic leave. AI agents scaffold and test; schema, concurrency and the review gates stay my decisions.	
EDUCATION	Teaching Assistant — Analysis of Algorithm Complexity	Oct 2025 — Jan 2026
	Telkom University — instructed 66+ students across 2 classes; designed and evaluated practical exercises.	
	Software Engineer Intern	Jun — Aug 2022
	CV SIC Yogyakarta — web, game and educational applications; contributed to Python-based web apps.	
	SMK Telkom 1 Medan — Software Engineering	2019 — 2023
AWARDS	1st place — EISD Lab Hackathon, education track.	Dec 2025
CERTIFICATION	IBM — RAG and Agentic AI.	Jul 2026
	Google — IT Automation with Python.	Jul 2026
EDUCATION	Telkom University, Bandung — B.Sc. Computer Science / Software Engineering	in progress (academic leave)
	SMK Telkom 1 Medan — Software Engineering	2019 — 2023