Boy Steven Benaya Aritonang

Software Engineer | Full-Stack Developer

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SUMMARY

Software engineer and Informatics Engineering undergraduate with full-stack delivery and web development leadership experience across ITS organizations. Builds React/Next.js applications with Go and PostgreSQL, from registration and payment flows to admin dashboards and production deployment. Open-source contributor with merged Cloudflare vinext and Vite PRs, focused on debugging, HTTP behavior, regression testing, and reliable releases.

EXPERIENCE

180 Degrees Consulting ITS
Feb 2026 - Present

Brand Website Analyst — Surabaya, Indonesia

- Developed a full-stack platform spanning the public website, admin dashboard, membership system, and storefront with Next.js, TypeScript, Go, and PostgreSQL.
- Delivered BIGC registration, revision, and result-announcement workflows with admin controls; improved public-content caching and maintained API, analytics, and CI/CD integration.

Schematics ITS
May 2026 - Present

Deputy Head of Web Development — Surabaya, Indonesia

- Coordinated delivery for four event modules (NLC, BST, NPC, REEVA), covering landing pages, dashboards, registration, and supporting frontend/backend workflows.
- Led delegation, debugging, QA, and releases while refining validation errors, payment states, event deadlines, and ticket availability across event modules.

Surabaya MUN
Jun 2026 - Present

Head of Web Development — Surabaya, Indonesia

- Established the Next.js/Bun frontend and connected application forms to a Go backend, including registration handling and Supabase-backed storage.
- Set up HTTPS deployment, database migrations, release health checks, and hosting-compatible delivery to support production readiness across the full stack.

Society of Renewable Energy ITS
Jul 2026 - Present

Front-end Manager — Surabaya, Indonesia

- Developed user-management and role/permission dashboards; integrated content, merchandise, sponsorship, and journal workflows with backend API contracts.
- Matched Figma layouts across viewport sizes, repaired pagination and form states, and optimized assets while maintaining responsive animation and scrolling behavior.

Petrolida
Sep 2026 - Present

Front-end Manager — Surabaya, Indonesia

- Delivered recruitment forms, interview-result announcements, and dashboard export workflows for the 2027 edition; connected staff and interview screens to backend APIs.
- Improved timeout recovery and browser-storage resilience, added division-based exports, and reduced artwork payloads with asset caching and production release workflows.

Ini Lho ITS
Sep 2026 - Present

Front-end Expert — Surabaya, Indonesia

- Built responsive staff-result and recruitment announcement pages for the 2027 edition, with animated reveals, interactive backgrounds, and acceptance/rejection states.
- Integrated backend access restrictions, improved unavailable-result handling, and added Playwright smoke tests and Docker support for release verification.

GERIGI x UKM Expo ITS
Jun 2026 - Aug 2026

Front-end Developer — Surabaya, Indonesia

- Built the responsive UKM Finder, including a Convex-integrated quiz and results flow, reusable landing components, and animated modal transitions.
- Added campus-map search by location name and description; refined mobile layouts, scrolling, asset structure, and navigation across the new-student portal.

SPMB Jatim / Dinas Pendidikan Provinsi Jawa Timur
Jun 2026 - Jul 2026

Junior Front-end Developer — East Java, Indonesia

- Maintained student-facing Next.js/Turborepo admissions pages and corrected SMA academic-ranking routing.
- Resolved runtime banner source conflicts to keep admissions information rendering consistently.

EXPERIENCE (CONTINUED)

Flexoo Software House / BEM-FTEIC ITS **Jan 2026 - Aug 2026**
Front-end Developer Surabaya, Indonesia

- Built authentication, blog, gallery, and dashboard features for the BEM-FTEIC website, plus homepage, events, cabinet, navigation, and responsive mobile sections.
- Integrated backend data and uploads, modularized forms and authentication flows, and maintained production API configuration and deployment behavior.

OPEN-SOURCE CONTRIBUTIONS

Cloudflare vinext - **18 merged PRs** covering Next.js compatibility, HTTP conditional/range requests, cookie metadata, ISR cache tests, and Windows tooling; reproduced issues and added regression coverage.

Vite - Merged a create-vite documentation correction for the Qwik starter template.

SELECTED PROJECTS

Imagilab.id / *Next.js, TypeScript, Go, PostgreSQL, Docker* - Migrated the website into a full-stack monorepo while preserving its brand identity; added reusable UI, auth/dashboard foundations, generated API types, automated tests, and release workflows.

ITTOKS / *Next.js, React, TypeScript* - Built a physical-education teacher application with student records, attendance, cognitive/affective/psychomotor assessment pages, reporting screens, and account-management flows.

Flippy / *Next.js, TypeScript, Tailwind CSS, Go, PostgreSQL* - Developed a flashcard learning platform with course discovery, study-set CRUD, authentication/email verification, an owner dashboard, and a separate Go API with SQL migrations.

Boysteven.com / *Next.js, React, TypeScript* - Built a personal portfolio with a custom fluid-cursor hero, animated typography, responsive layouts, and refined mobile/touch interactions.

EDUCATION & TRAINING

Institut Teknologi Sepuluh Nopember (ITS) **Aug 2025 - Present**
B.Eng. in Informatics Engineering (in progress)

Asah led by Dicoding **Aug 2026 - Present**
AI Full-Stack Developer Cohort

- Built a React notes SPA with search, archive, sanitized rich text, and integration tests, plus a JavaScript expense tracker with persistent CRUD.

RECOGNITION

- **Best Final Project, Lab-Based Education (LBE)** - Software Engineering Laboratory (RPL), ITS - To Do List Bulletin Board (Kelompok 6) (Sep 2026).
- **BCC Semifinalist, IYREF** (May 2026).
- **Top 7 Finalist, Hackfest Hackathon; 24/7 Most Dedicated Team** (Apr 2026).
- **1st Place, Sharktank - Entrepreneurship Gathering** (Oct 2025).

EARLIER EXPERIENCE & VOLUNTEERING

Choice Studio / *Front-end Developer Intern* **Apr 2025 - Jun 2025**
Built responsive React/TypeScript/Tailwind interfaces and supported technical bootcamp activities.

Direktorat Jenderal Pajak / *Administrative Assistant Intern* **Mar 2024 - May 2024**
Supported document archiving, data processing, and tax-report preparation.

Schematics NLC 2025 / *Technical Assistant (Volunteer)* **Oct 2025 - Nov 2025**
Supported challenge preparation, system maintenance, and real-time technical troubleshooting.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Go; Python fundamentals. **Frameworks:** React, Next.js, Tailwind CSS.
Backend & Data: PostgreSQL, Supabase, Convex, REST APIs. **State & Forms:** React Query, Zustand, React Hook Form.
Engineering: Git/GitHub, Docker, GitHub Actions, CI/CD, Vitest, Jest, Playwright, Linux/VPS, debugging and regression testing.