CEVIN SAMUEL

Fullstack Web Developer (with 2+ yoe)

📍 **Pekanbaru, Riau, Indonesia** (able to relocate)

Email: cevin.samuel@yahoo.com   Personal site: caffeineeee.me

WhatsApp: +62 851 6274 5705   LinkedIn: in/cevinsamuel

GitHub: github.com/caffeineeee

EDUCATION

Informatics, BE

Universitas Riau – Pekanbaru, Riau, Indonesia

August 2020

- Thesis paper title: "Batak Toba language-Indonesian machine translation with transfer learning using NLLB".
- Published the paper in the academic journal "International Journal of Advances in Applied Sciences (IJAAS)" indexed in Scopus Q4 and SINTA 1 (as of June 2024): doi.org/10.11591/ijaas.v13.i4.pp830-839.

SKILLS

JavaScript/TypeScript, Python, React, Next.js, CSS/Tailwind, Node.js, REST APIs, SQL, Git.

PROJECTS

(JS, Fullstack) caffeineeee.me (Live View**) (**Repo**)**

- Implemented OAuth auth backend using Auth.js (NextAuth.js), enabling a more secure and easier login.
- Enhanced code quality by implementing CI/CD pipelines with pre-commit hooks and Biome.js for automated linting, fixing, and formatting.
- Tools: TS/JS, Node.js, React, Next.js, Tailwind, Auth.js (NextAuth.js), Drizzle ORM, Turso libSQL (SQLite), Git.

(JS, Fullstack) url-shortener (Live View**) (**Repo**)**

- Applied BASE62 encoding to generate the shortened URL.
- Used Next.js middleware for redirection if a short URL maps to a long URL.
- Adopted Test-Driven Development (TDD) to develop the core functionalities by creating unit test cases with Jest, increasing reliability.
- Tools: TS/JS, Node.js, React, Next.js, Tailwind, Auth.js (NextAuth.js), Drizzle ORM, Turso libSQL (SQLite), Jest, Git.

(JS, Backend) rest-api-ts-sqlite (Live View**) (**Repo**)**

- Delivered a fully-functional backend, aligned with the technical requirements/specifications as per client's request, in 7 days.
- Developed a REST API for managing order and inventory data.
- Streamlined testing processes using Falso "@ngneat/falso" (a tree-shakeable alternative to Faker.js) for mock data generation.
- Tools: TS/JS, Node.js, Turso libSQL (SQLite), Git.

(JS, Backend) apollo-server-graphql-jwt-ts-simple-auth-backend (Repo**)**

- Learned Apollo GraphQL from scratch and delivered a fully functional auth backend, aligned with the technical requirements/specifications as per client's request, in 10 days.
- Automated the generation of JS scripts from TS using TS Compiler, allowing the backend to run by consuming the generated JS scripts.
- Built a Credentials-based (email & password) auth backend using Apollo GraphQL and JSON Web Token.
- Tools: TS/JS, Node.js, Apollo GraphQL, Turso libSQL (SQLite), JSON Web Token, Git.

(JS, Frontend) hacker-news-clone ([Live View](#)**) (**[Repo](#)**)**

- Built a 1-to-1 clone of the Hacker News website, [news.ycombinator.com](#), to practice styling skills using Tailwind.
- Tools: TS/JS, Node.js, React, Next.js, Tailwind, Git.

(Python, Machine learning) batak_toba_indonesian_nmt ([Repo](#)**)**

- Like Google Translate, but for Batak Toba (BBC) and Indonesian (IND), because there is no option for Batak Toba in Google Translate.
- Enough for translating short sentences (<30 words), but not for translating long paragraphs or essays.
- Try out the live models on HuggingFace, here: [BBC→IND](#), [IND→BBC](#).
- Tools: Python, PyTorch, Transformers, Git.

EXPERIENCE

Data Analyst (Intern)
Bank Indonesia - Central Jakarta, Jakarta, Indonesia (onsite)
March – June 2023

- Conducted research on the sentiments of Indonesian citizens about major banking issues that were currently happening, using social media data and online forums.
- Developed Python program to scrape Twitter by search query and filters, enabling efficient collection of social media data for analysis.
- Engaged with clients, i.e., customers and conventional banks' employees, at FEKDI 2023 (held in Hall B JCC Senayan) to discuss consumer protection issues and to provide support/solutions as needed.
- Got awarded as Top 10 Intern (out of $146 \approx 6.85\%$) of KMBI VI—KMBI VI refers to the name of the internship program.
- Tools: Excel, Power BI, Python, Git.

Fullstack Web Developer (Intern)
PT Berau Coal - Berau, East Kalimantan, Indonesia (onsite)
September – December 2022

- Developed a full-stack, typesafe Next.js app to provide a reporting system for my department.
- Utilized authentication and role-based authorization using Auth.js (NextAuth.js).
- Implemented a robust data access layer with Drizzle ORM and Planetscale MySQL database.
- Created a user-friendly reporting interface with React and Tailwind.
- Tools: TS/JS, Node.js, React, Next.js, Tailwind, Auth.js (NextAuth.js), Drizzle ORM, MySQL, Git.