CEVIN SAMUEL

Fullstack Web Developer (with 2+ yoe)
📍 Pekanbaru, Riau, Indonesia

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EDUCATION

Informatics (Bachelor of Engineering)
Universitas Riau – Pekanbaru, Riau, Indonesia (onsite)
August 2020

SKILLS

JavaScript/TypeScript, Python, React, NextJS, CSS/Tailwind, Node, REST, SQL, Git.

PROJECTS

(Fullstack) caffeineeee.me (Live View) (Repo)
- Implemented OAuth (third-party providers) auth system using NextAuth, enabling 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: TypeScript, Node, React, NextJS, Tailwind, NextAuth, Drizzle ORM, Turso SQLite, Git.

(Fullstack) url-shortener (Live View) (Repo)
- Implemented OAuth (third-party providers) auth system using NextAuth, enabling more secure and easier login.
- Applied BASE62 encoding to generate shortened URLs.
- Used NextJS 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: TypeScript, Node, React, NextJS, Tailwind, NextAuth, Drizzle ORM, Turso SQLite, Jest, Git.

(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.
- Used Falso to generate mock data to streamline testing processes.
- Tools: TypeScript, Node, Turso SQLite, Git.

(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 from TS scripts using TS Compiler, enabling the backend to run by consuming the generated JS scripts.
- Built a Credentials-based (email & password) auth backend using Apollo GraphQL.
- Utilized Turso SQLite for secure user data storage.
- Applied user-specific access control using JWT token.
- Tools: TypeScript, Node, Apollo GraphQL, Turso SQLite, JWT, Git.

(Frontend) hacker-news-clone (Live View) (Repo)
- Built a 1-to-1 clone of the Hacker News website to practice styling skills using Tailwind.
- Tools: TypeScript, Node, React, NextJS, Tailwind, Git.

(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, here: **(Live Model: BBC→IND) (Live Model: IND→BBC)**.
- Published a peer-reviewed paper in the "International Journal of Advances in Applied Sciences (IJAAS)", an academic journal indexed in Q4 and SINTA 1 (as of June 2024): **https://doi.org/10.11591/ijaas.v13.i4.pp830-839**.
- 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 ≈ 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 NextJS app utilizing TypeScript to provide a reporting system for my department.
- Utilized authentication and role-based authorization using NextAuth.
- Implemented a robust data access layer with Drizzle ORM and Planetscale MySQL database.
- Created a user-friendly reporting interface with React and Tailwind.
- Tools: TypeScript, Node, React, NextJS, Tailwind, NextAuth, Drizzle ORM, MySQL, Git.