CEVIN SAMUEL

Software Engineer (with 1+ years of experience)
Pekanbaru, Riau, Indonesia (willing to relocate)

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EDUCATION

Informatics, Bachelor of Engineering (CGPA: 3.34/4)   *8/2020 – 3/2025*
Universitas Riau   *Pekanbaru, Riau, Indonesia*

- Relevant coursework: Software Requirements, Data Structures, Databases.
- Thesis (96 pages) titled "Translasi Mesin Batak Toba-Indonesia (dan Sebaliknya) via Transfer Learning dengan NLLB (No Language Left Behind)": https://drive.google.com/file/d/1coDyvZ3nVoeOXnK1tSfnLHUBpzORUHGl/view?usp=sharing.
- Journal paper (10 pages) titled "Batak Toba language-Indonesian machine translation with transfer learning using NLLB (No Language Left Behind)", published in IJAAS 2024 (indexed in Scopus Q4 and SINTA 1): https://doi.org/10.11591/ijaas.v13.i4.pp830-839.

SKILLS

LANGUAGES:	JavaScript/TypeScript, Go, Python, SQL.	DATABASES:	SQLite, MySQL, PostgreSQL, MongoDB.
BACKEND:	Express.js, Nest.js, Gin.	API:	RESTful API, GraphQL, RPCs.
FRONTEND:	React, Next.js, CSS/Tailwind, React Native/Expo.	TOOLS:	Git, Bash, AWS (S3, EC2, Rekognition).

PERSONAL+CLIENTS' PROJECTS

url-shortener *(TS, Fullstack)*   *(Website) (Code)*

- Implemented short-to-long URL redirection using middlewares, unit tests using Jest, data storage using Turso libSQL (SQLite)+Drizzle ORM, OAuth using Auth.js (NextAuth.js), server components using React, and Server Actions from Next.js.

rest-api-ts-sqlite *(TS, Backend)*   *(Website) (Code)*

- Delivered a RESTful API to manage order and inventory data along with other technical requirements per the client's request.
- Used Falso `@ngneat/falso` (a faster, tree-shakeable alternative to Faker.js) for testing purposes.

apollo-server-graphql-jwt-ts-simple-auth-backend *(TS, Backend)*   *(Code)*

- Built an auth backend that uses Apollo GraphQL and JWT (JSON Web Token) and is based on credentials (email and password). It is linked to a Turso libSQL (SQLite) database.

kampung-sengkemang *(HTML+CSS+JS, Frontend)*   *(Website) (Code)*

- Built an official website for a village hall following the client's request (the village head).

caffeineeee.me *(TS, Frontend)*   *(Website) (Code)*

- Implemented CI/CD pipelines with `pre-commit` hooks and Biome.js.
- Added gesture-based navigation for better UX.
- Used AWS S3 for storing media files (images, etc.).

hacker-news-clone *(TS, Frontend)* *(Website) (Code)*

- Built a fully responsive, 1-to-1 clone of the Hacker News website, https://news.ycombinator.com.

batak_toba_indonesian_nmt *(Python, Machine learning)*   *(Code)*

- Created an NMT model (neural machine translation) for BBC (Batak Toba) and IND (Indonesian), i.e., a kind of translation system similar to Google Translate. Prior to June 2024, there wasn't an option for Batak Toba in Google Translate.
- Try out the live models on HuggingFace here:
  - BBC→IND: https://huggingface.co/kepinsam/bbc-to-ind-nmt-v5.
  - IND→BBC: https://huggingface.co/kepinsam/ind-to-bbc-nmt-v5.

EXPERIENCE

Data Analyst (Intern)   *3/2023 – 6/2023*
Bank Indonesia   *Central Jakarta, Jakarta, ID (onsite)*

- Conducted research on the sentiments of Indonesian citizens about major banking issues that were currently happening, using social media data.
- Built a Twitter scraper using Python to collect supporting 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 as needed.
- Got awarded as Top 10 Intern (out of 146 ≈ 6.85%).
- Tools: Python, Excel, Power BI, Git.

Fullstack Web Developer (Intern) *9/2022 – 12/2022*
PT Berau Coal   *Berau, East Kalimantan, ID (onsite)*

- Developed a full-stack reporting/dashboard app for the department from scratch.
- Utilized authentication and role-based authorization using Auth.js (NextAuth.js).
- Implemented data access layer using Drizzle ORM and Planetscale MySQL database.
- Created a fully-responsive interface using React, Tailwind, and Material UI.
- Tools: TS/JS, Node.js, React, Next.js, Auth.js (NextAuth.js), Drizzle ORM, MySQL, Git.