

# CEVIN SAMUEL

**Fullstack Web Developer** (with 2+ yoe)

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

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## 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](https://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](http://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](https://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.

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## **EXPERIENCE**

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### **Programming Tasks Data Annotator (Freelance)**

Outlier.ai - Remote

*October 2024 – Present*

- Create synthetic data by generating extremely high quality prompts ("SME level") and outputs to simulate real-world scenarios for training LLM in Programming Tasks.
- Follow strict annotation docs/guidelines to produce high-quality datasets, achieving quality metrics above 95% consistently.
- Tools: Python, TS/JS.

### **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.