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Profile

I am a software developer from Indonesia, currently residing in Switzerland. My present tech stack includes React (with Next.js or Remix), TypeScript, Tailwind CSS, Prisma, PostgreSQL, and Node.js. Previously, I developed iOS apps using Objective-C and Swift, as well as Android apps using React Native. I have a strong passion for testing and debugging.

Experience

PRINCIPAL DEVELOPER, PT ARTHA RAJASA MANDIRI; JAKARTA, INDONESIA – 2019-PRESENT

I lead a team in developing software for multiple web and mobile app projects, utilizing React for web applications and React Native for mobile applications. I perform these duties remotely from Switzerland.

- **Monika:** An open-source CLI designed to monitor websites, API endpoints, and more. It was developed with TypeScript, Node.js, and SQLite. <https://monika.hyperjump.tech/>
- **Neo Sense:** A synthetic monitoring tool for websites and API endpoints, developed using Next.js, Tailwind CSS, Prisma, PostgreSQL, TimescaleDB, and Redis. <https://neosense.bgnlab.id/>
- **MySmartfren:** A React Native mobile application for MySmartfren, one of Indonesia's largest cellular companies. <https://apps.apple.com/ch/app/mysmartfren/id1209898190>
- **Cashbac** (Discontinued): An iOS application developed in Swift, offering users cash back on everyday purchases in Indonesia.
- **Uangku:** An e-wallet iOS application for Indonesia, enabling users to transfer money, pay utility bills, and more. <https://www.uangku.co.id/>
- **Yummybox:** A platform for corporations, schools, and institutions to order food for their employees, developed with Next.js and React Native. <https://www.yummycorp.com/>

FULL STACK DEVELOPER, SWIFT MANAGEMENT AG – 2016-PRESENT

I design, develop, deploy, and maintain full-stack educational applications for both web and mobile platforms, utilizing React, React Native, Node.js, and Swift.

Additionally, I develop various web applications for internal purposes.

- **Nothelfer am Bahnhof, Nothelfer in der Schule, Premiers Secours à la gare:** These are websites designed for Swiss residents to find and register for first aid courses across Switzerland. They were developed utilizing Next.js, Tailwind CSS, Prisma, and PostgreSQL. <https://www.nothelferambahnhof.ch/> <https://www.nothelferinderschule.ch/> <https://www.premierssecoursalagare.ch/>
- **Nothelfer Web App:** A Progressive Web Application (PWA) accessible to students who have registered through the Nothelfer am Bahnhof website. This app is utilized during the course and was developed using Remix and Tailwind CSS. Access is exclusive to students post-payment, facilitated through a specific QR code, hence a direct link is not shareable.
- **iTheorie:** A showcase website for the company's apps, developed using Next.js and Tailwind CSS. <https://www.itheorie.ch/de>
- **E-learning web app:** A web application that helps users prepare for driving exams in Switzerland, developed with React, Styled Components, Node.js, and MongoDB. <https://elearning.itheorie.ch/>

SIDE PROJECTS

I developed a range of iOS and macOS apps, including several open-source projects.

- **og-screenshots:** a CLI to take screenshot of URLs and generate Open Graph images from your own computer. <https://github.com/nicnocquee/og-screenshots>
- **Delightful app:** An open-source iOS app for managing user photos in Trovebox (formerly OpenPhoto), now discontinued. <https://github.com/delightfulapp/delightful>
- **Appolo:** Open-source plugins and themes for Jekyll, designed to create app portfolios for developers. <https://github.com/nicnocquee/appolo>
- **YapDatabase:** I contributed to this open source library used in iOS and macOS apps. <https://github.com/yapstudios/YapDatabase/pull/134>

IOS DEVELOPER, MONOCO INC; TOKYO, JAPAN – 2011-2014

Developed iOS apps for an e-commerce startup based in Tokyo, Japan. Initially, the service, named **FlutterScape**, allowed users in Japan to sell Japanese items internationally. Later, the startup pivoted to **Monoco**, a flash sale e-commerce platform similar to Fab.com. Unfortunately, the startup has since been shut down.

Education

- **Osaka City University**, Osaka, Japan – Master of Engineering, 2011.
- **Institut Teknologi Bandung**, Bandung, Indonesia – Bachelor of Electrical Engineering, 2008

Skills and Languages

Programming Languages:

- Expert: Typescript/Javascript
- Familiar: Ruby, Objective-C, Swift, PHP, SQL, Bash, CSS.
- Experienced: Java, C++.

Tech stack:

- Expert: React, Next.js, Remix, Tailwind CSS, Prisma, PostgreSQL, Node.js, React Native.
- Familiar: Docker, Dokku, Redis, SQLite, TimescaleDB, Fastlane, Jest, Cypress
- Experienced: J2EE, J2SE, J2ME, Laravel.

Spoken languages:

- Native: Indonesian.
- Fluent: English.
- Intermediate: Japanese (N2) and German (B1).

Publications

- **Pull Request Best Practices**: A guide designed to help development teams accelerate the delivery of high-quality products while ensuring code maintainability. This includes strategies for effective review processes, coding standards, and collaboration techniques. <https://pr.nico.fyi>
- **Go Green with Distributed Beamforming**: Published in Wireless Personal Multimedia Communications (WPMC), 2011 14th International Symposium Wireless Personal Multimedia Communications. <https://ieeexplore.ieee.org/document/6081496>
- **Personal blog**: Things I learn every day. <https://nico.fyi>