Jason Jonathan Effendi

Phone number: (+31) 639717225 (Mobile) | **Email address:** jasonjonathaneffendi@gmail.com | **Website:** https://portfolio-v2-xi-beryl.vercel.app/ | **LinkedIn:** https://www.linkedin.com/in/jason-jonathan-47006a25b |

Address: Eindhoven, Netherlands (Home)

ABOUT ME

I'm a software developer and recent dual study graduate from Fontys University, originally from Indonesia. A dual study in the Netherlands combines an academic degree with intensive professional work experience, which meant that alongside my studies I was already working hands-on as a software developer. Over the past two years, I've built real-world applications that balance clean, maintainable code with a strong focus on user experience. While my strength lies in frontend development, I've also worked across the stack, giving me a well-rounded perspective on building impactful software. I'm now looking for a collaborative, impact-driven team where I can contribute, learn, and grow as a developer.

Additional Information:
- Currently eligible to work under a residence permit (until Mar 2026), will require visa sponsorship for long-term employment.
- Eligible to start work immediately.

WORK EXPERIENCE

CAPE – TILBURG, NETHERLANDS

SOFTWARE DEVELOPER INTERN – 1 SEP 2024 – 1 FEB 2025

- **Researched** and **prototyped** multiple approaches for SVG feature integration, documenting trade-offs and selecting the most seamless method for Template Designer.
- Built reusable UI components (**React, TypeScript, SCSS**) for an interactive SVG editor.
- Implemented **real-time** SVG shape, color, and stroke manipulation with direct **DOM interaction**, ensuring both high performance and smooth responsiveness.
- Managed state and asynchronous data with **React Query/Redux**, creating a robust fallback system for errors, loading, and network issues.
- Improved developer workflow by refactoring **component lifecycles** and introducing **reusable hooks**, reducing code duplication and unnecessary re-renders.

INSTITUT SAINS DAN TEKNOLOGI TERPADU SURABAYA – SURABAYA, INDONESIA

SOFTWARE DEVELOPER – 1 AUG 2021 – 1 AUG 2023

- **Analyzed** existing lab/test workflows to **identify inefficiencies**, leading to a streamlined, centralized management system.
- Designed and developed a lab/test management interface (**React, TypeScript, Tailwind**).
- Developed RESTful APIs in **.NET** for materials, scheduling, and authentication.
- Implemented complex client-side state with **React Query/Redux**, including loading/error handling, ensuring smooth user experience under unstable connections.
- Coordinated **usability testing** sessions with students and lecturers, iterating on feedback to improve accessibility and user flow.

UBS GOLD – SURABAYA, INDONESIA

SOFTWARE DEVELOPER INTERN – 1 FEB 2022 – 1 AUG 2022

- Developed a video-based grading platform (**React, TypeScript, CSS**) allowing admin users to upload presentation videos and graders to evaluate them based on customizable criteria.
- Designed dynamic grading forms with React Hook Form and real-time validation.
- Created flexible admin tools for grading criteria and managed state with React Redux and Query.

PROJECTS

1 FEB 2025 – 1 APR 2025
Portfolio Website

- Built a responsive developer portfolio (**Next.js, TypeScript, Tailwind**) with headless CMS + **Firestore** for real-time, code-free content management.
- Optimized with static generation, SEO, and accessibility, achieved **95+ Lighthouse scores**.
- Designed smooth scroll-based animations with **GSAP** to create an engaging and interactive user experience.
- Implemented CI/CD **deployment pipelines** (Vercel) for automatic builds, previews, and production updates.

Link https://portfolio-v2-xi-beryl.vercel.app/

1 FEB 2024 – 1 JUL 2024
Kitchenwares

- Designed and developed a full-stack e-commerce platform (**React, TypeScript, .NET, MongoDB**) using a microservices architecture.
- Implemented modular backend services, containerized with **Docker** and orchestrated with **Kubernetes** for scalability.
- Integrated **RabbitMQ** for asynchronous inter-service messaging, improving fault tolerance under heavy load.
- Deployed services on **AWS** with monitoring and logging, ensuring high availability and resilience.
- **Automated testing** and **CI/CD pipelines** with load-testing tools (Artillery) to safeguard against regressions and performance drops.

1 AUG 2023 – 1 FEB 2024
IQADOT Import Tool Kit

- Built web tool for importing/processing **external API** data (**React, Redux**).
- Implemented **schema detection** and **interactive field selection**.
- Containerized with **Docker** and tested with **Cypress**.

SKILLS

Axios | React | Tailwind | Typescript | Material Design | Next.js | React Redux | React Query | .NET (C#) | Docker | Kubernetes | SQL | NoSQL | AWS | Google Firebase | CI/CD | Git

Have experience with

Python (FastAPI, OpenCV, Pandas) | PHP (Laravel, CodeIgniter) | Java (SpringBoot) | Flutter | Ansible | Google Cloud Platform

EDUCATION AND TRAINING

1 SEP 2023 – 1 FEB 2025 Eindhoven, Netherlands
BACHELORS OF SOFTWARE ENGINEERING Fontys University of Applied Sciences

1 AUG 2020 – 1 FEB 2025 Surabaya, Indonesia
BACHELORS OF COMPUTER SCIENCE Institut Sains dan Teknologi Terpadu Surabaya

LANGUAGES

Mother tongue

Indonesian

Other languages

English: Proficient (C1)
Dutch: Basic (A2)

HONOURS AND AWARDS

27 APR 2023
Red Hat Certified System Administrator (RHCSA) – Red Hat

An IT professional who has earned the Red Hat® Certified System Administrator (RHCSA®) is able to perform the core system administration skills required in Red Hat Enterprise Linux environments. The credential is earned after successfully passing the Red Hat Certified System Administrator (RHCSA) Exam (EX200).

Link https://www.credly.com/badges/c143b8fc-c53c-471e-a1a1-1dd5500fed6d/linked_in_profile

29 SEP 2025
FastAPI - The Complete Course 2025 – Udemy

Completed comprehensive training on building and deploying RESTful APIs and full stack applications using FastAPI and Python. Topics included authentication & authorization (JWT, bcrypt), database integration (MySQL, ORM), API routing, testing with pytest, and deployment of production-ready applications.

Link https://www.udemy.com/certificate/UC-3188fae2-0aba-474c-b5c0-fbbc27d1c658/