Gregorius Jovan Kresnadi

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ABOUT ME

I am a results-driven, detail-oriented software engineer passionate about delivering products that users need. With experience in front-end, back-end, and full-stack web development, I am a versatile and adaptive professional who collaborates efficiently to build high-quality, maintainable products.

At Solecode, I advanced from minimal back-end experience to proficiency in **C#** and the **.NET framework**. Within a year, I developed **robust, efficient, and reusable components** across both front-end and back-end. By **understanding key user needs** and **developer pain points**, I created components that **reduced development time** for repetitive tasks by up to 80%, enabling faster and more polished product delivery.

I explore **front-end projects** in my spare time using **React**, **Next.js**, and **Tailwind CSS** as my primary stack while experimenting with technologies like **Vite**, **Firebase**, and **Docker**. I am currently expanding my **back-end** expertise by learning **Golang**, and utilizing the latest **AI tools** to help me learn and develop impactful projects faster. With a strong commitment to self-improvement, I eagerly tackle challenges, explore innovative technologies, and look forward to collaborating with future peers.

WORK EXPERIENCE

Solecode
Software Engineer

February 2023 – Present

Solecode is an IT consulting and services company specializing in rapid delivery, intuitive design, convenient experience, high agility, and better client collaboration.
- **Refactored** a **Human Resource management app** using **Dart** & **Flutter**, refining UI logic and rebuilding the overall project structure.
- Developed **back-end services** and **web pages** for a budget monitoring system using **Blazor .NET Web Framework**, **Tailwind CSS**, and **PostgreSQL** DBMS.
- Developed a **UI component library** in **React TypeScript** with **Vite**, utilizing **Tailwind CSS,** and **Storybook** as a front-end workshop for UI development, and publishing it as an **npm package** for future projects.
- Built **UI components** and **back-end services** for a resource management website of an Indonesian oil and gas company using **C#** with **ASP.NET MVC** framework and **Razor Pages**.
- Maintained a **Next.js code boilerplate** for streamlined development in future projects.
- Developed back-end services for a thesis management and student study plan platform for a private university in Jakarta, using **C#** with **ASP.NET Core** framework, **Azure CosmosDB** as NoSQL database, and **Azure cloud services.**
- **Technologies:** C#, ASP.NET Core & MVC, Blazor, Razor Pages, HTML, CSS, JavaScript, TypeScript, React, Next.js, Tailwind CSS, Vite, Dart, Flutter, Azure CosmosDB, OracleDB, Storybook, Figma

DANA Indonesia
Front End SDET Intern

August 2021 – February 2022

DANA Indonesia is a payment gateway company aiming to replace traditional wallets with their digital platform.
- **Ensured high-quality user experiences** for lifestyle services and mini-program features through automated testing on **iOS** devices using **Selenium** and **XCode**, **increasing test coverage to 95%.**
- **Developed test suites** for **end-to-end**, **regression,** and **system integration tests** using XMind and Testrail.
- Assisted in **on-duty monitoring** during **high-traffic events and post-deployments**, reporting issues in JIRA with severity and priority classification.
- **Technologies:** Java, Cucumber, XCode, Appium, Selenium, Testrail

Blibli.com
SDET Intern

June - August 2021

Blibli.com is an omnichannel e-commerce platform and lifestyle ecosystem in Indonesia.
- **Increased regression test coverage** to 95% for checkout and promotion features by developing **test cases** using **Behavior Driven Development** and **creating automated tests** for **API & UI testing** using Cucumber & Selenium.
- Maintained sanity tests and integration tests at 100% coverage.
- **Technologies:** Cucumber, Selenium, Java, Kafka

Institut Teknologi Bandung
Programming Lab Assistant
August 2020 - June 2022

The Programming Lab manages core Computer Science courses, including Data Structures & Algorithm, Object-Oriented Programming, and Web Development.
- **Assisted** and **supervised** students in **coding lessons** and practice using Olympia learning platform.
- **Managed** the **development** of **project assignments** for the Data Structures & Algorithm course.
- Designed and graded project assignments for the Object Oriented Programming course.
- **Technologies:** C#, Java, C++

EDUCATION

B.Sc. in Computer Science   **Institut Teknologi Bandung**   *2018 – 2022*
- **Cum Laude**
- **Vice Head of Publications Department,** Informatics Student Union (HMIF ITB)

PROJECTS

- **Gradle Visualizer (2025)** – A web tool to **visualize complex Gradle dependencies** into a **tree-like interactive 3D graph**. It allows users to easily navigate and understand the dependency structure and identify potential issues. In this freelance project, I helped refactor the codebase and add additional functionalities. It uses **React Three Fiber**, a React renderer for **Three.js**, integrated into a **Next.js** app. https://tree-self.vercel.app/
- **wolven.dev (2024)** – A personal portfolio website built using **React TypeScript** using **Vite** as a bundler, styled with **Tailwind CSS**, and deployed on **GitHub Pages**. https://wolven.dev
- **Porsee (2024)** – Porsee is an Indonesian food catering service delivering fresh ready-to-cook ingredients to your doorstep. Porsee aims to bring restaurant-quality food to your home kitchen, complete with the experience of cooking it yourself. I built the website using **Next.js** and **Firebase** as Backend-as-a-Service, deployed on a **DigitalOcean** droplet with **Docker** to support containerization. Porsee's business is currently halted but a demo website is hosted on **Vercel**. https://porsee-website-demo.vercel.app/

TECHNICAL SKILLS

Programming Languages — C#, C++, JavaScript, TypeScript, Java, Golang, Dart

Technologies — .NET Core & MVC, Razor Pages, Blazor, React, Next.js, Vite, Tailwind CSS, Flutter, MySQL, PostgreSQL, Azure CosmosDB, OracleDB, Firebase, Docker, Figma, Three.js, Git, GitHub Pages

Other Skills — Data Structures & Algorithms, Object Oriented Programming, Web Development, Collaboration, Teamwork, Project Management

Communication — Bahasa Indonesia (Native), English (IELTS Academic band 8)