

# Taufik Pragusga

[taufik@pragusga.com](mailto:taufik@pragusga.com) | +628788711704 | [pragusga.com](http://pragusga.com) | [linkedin.com/in/pragusga](https://www.linkedin.com/in/pragusga) | Jakarta, Indonesia

## SUMMARY

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Talented software engineer adept at contributing to highly collaborative work environment, finding solutions and determining customer satisfaction. Designed and developed web applications across multiple APIs, third-party integrations and databases. Passionate and hardworking with penchant for developing customized interfaces that factor in unique demands for accessibility, reachability and security.

## EDUCATION

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### University of Indonesia

Major in Computer Science

Coursework: Data Structures & Algorithms, Databases, Software Engineering, Networking, Computer Architecture & Organization, Functional Programming, Advanced Programming, Cryptography

August 2020

Depok, Indonesia

## WORK EXPERIENCE

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### Software Engineer | Dana Indonesia

April 2023 – June 2023

- Incorporated machine learning algorithms into a fraud detection system, utilizing frontend and backend technologies such as Next.js, TypeScript, Tailwind CSS, Node.js, Express.js, and Prisma.
- Implemented cloud functions to trigger the analysis of uploaded CSV files and executed machine learning models for fraud prediction, effectively enhancing fraud detection capabilities.
- Successfully deployed the fraud detection system, automating the analysis and prediction process of uploaded files, and efficiently delivering results through cloud storage.

### Backend Engineer | Nomura Research Institute

August 2022 – May 2023

- Partnered with 3 senior backend engineers, 3 frontend engineers, product design team, and product owner to schedule projects, establish timelines, and perform sprint review
- Built 90% test coverage for all new features, which lowered the number of customer complaints by 30%
- Developed 100% RESTful API to control user functions using NestJS with PostgreSQL as a persistence layer
- Optimized SQL queries for the heavy-load parts of the system, which improved website responsiveness and reduced the database costs by 20%
- Adhered 100% to standards and best practices around development process, coding, and peer reviews

### Lead Software Engineer | COMPFEST

December 2021 – November 2022

- Supervised and guided a team of 12 developers in creating web applications in Typescript with over 2000 users
- Architected 50+ visual components into rich web applications that were responsive, semantic, and accessible
- Constructed 20+ database to hold 10K+ records, reduce complexity, and to gain business insights via analytics, decreasing time spent on research by 50%
- Integrated 20+ interfaces from visual designs and wireframes to perform well on all types of devices
- Executed troubleshooting, fixed 10+ bugs and other issues, and updated sites throughout production lifecycle

## OTHER

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- **Technical Skills:** NodeJS, NestJS, ExpressJS, Javascript/Typescript, ReactJS, NextJS, Python, Django, Java, Spring Boot, Go, Haskell, Elixir, Docker, Kubernetes, Event Sourcing, CQRS, SQL, HTML, CSS, Git, AWS (S3, RDS, Fargate, Cloudfront), Microservices, Design Patterns, Clean Code, Message Queue (RabbitMQ, Kafka)
- **Languages:** English (limited), Indonesian (native), Italian (basic)