

# NANANG EKA CAHYA PERNATA

## Senior Web Engineer

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### LINKS

[\*GitHub\*](#), [\*LinkedIn\*](#)

### PROFILE

Dynamic Senior Web Engineer with over 5 years of comprehensive experience in fullstack web development and a proven track record of leading cross-functional teams to success. Expertise in designing and implementing scalable microservice architectures and optimizing system performance using advanced technologies such as Node.js, NestJS, and ExpressJS. Committed to translating complex business requirements into robust technical solutions while fostering a collaborative environment that enhances team performance. Adept at both backend and frontend development, with a strong foundation in API integration and system design, consistently delivering high-quality applications that drive business objectives.

### EMPLOYMENT HISTORY

#### ❖ **Technical Leader / Senior Web Engineer, PT Telkom Indonesia (Persero) Tbk** ..... 2022 — Present Jakarta

- Led cross-functional development team to build Online Single Submission (OSS) system for risk-based licensing in Indonesia.
- Designed and implemented scalable microservice architecture using ExpressJS and NestJS.
- Collaborated with stakeholders to translate business needs into system requirements.
- Coordinated code reviews, technical documentation, and CI/CD deployment pipelines using GitLab.
- Developed, optimized, and integrated APIs to enhance system performance.

#### ❖ **Backend Engineer (Part-time), Teloskop.id** ..... 2024 Jakarta

- Designed and developed a Media Monitoring System for Korlantas POLRI utilizing NestJS, GraphQL, and PostgreSQL with React.js for frontend implementation.
- Implemented real-time monitoring dashboards through efficient data fetching and schema design.
- Ensured seamless integration between backend and frontend components by collaborating with developers, project managers, and data engineers.
- Optimized system performance, security, and deployment readiness under tight project deadlines.
- Led efforts in API integration and system scalability, enhancing overall project efficiency.

#### ❖ **Senior Web Developer / Lead Web Developer, PT Phincon** ..... 2019 — 2022 Jakarta

- Developed RESTful APIs for MyTelkomsel Mobile App using HapiJS and ExpressJS, ensuring high reliability and scalability.
- Led migration from monolithic to microservice architecture with ExpressJS, Golang, Redis, and MySQL for improved performance.
- Implemented CI/CD pipelines, enhancing deployment speed and consistency across environments.
- Optimized application performance through efficient database querying and caching strategies.
- Mentored junior developers in best practices for code structure and system design.

- ❖ **Web Developer, PT Walden Global Services** ..... 2017 — 2019  
Bandung
  - Developed and maintained HungryGoWhere, a web application food and restaurant review platform with a seamless reservation feature owned by Singtel, using Symfony, Elasticsearch, MySQL, and Bootstrap.
  - Built G-Meds, an e-pharmacy prescription platform for doctors using Symfony framework.
  - Collaborated with international teams from Singapore and Vietnam to deliver features, enhancing cross-border functionality.
  - Improved backend query performance and implemented modular reusable components for front-end consistency, boosting application efficiency.
  - Optimized system performance and ensured scalable architecture for evolving business needs.
  
- ❖ **Web Developer (Part-time), PT Portege Cld Technology** ..... 2015  
Bandung
  - Developed IKA ITS, a social media platform for alumni of Institut Teknologi Sepuluh using CodeIgniter, MySQL, HTML5, and Bootstrap.
  - Designed and implemented OMOV, a secure online election system for alumni association chairmen, focusing on data integrity and secure voting mechanisms.
  - Enhanced user experience by creating intuitive UI/UX designs for web applications.
  - Collaborated with cross-functional teams to deliver scalable microservice architectures.
  - Leveraged technologies such as Node.js, NestJS, and ExpressJS to optimize system performance.

## EDUCATION

- ❖ **Indonesian Computer University (UNIKOM)** ..... 2017  
*Bachelor of Computer Science (Informatics Engineering)*

## SKILLS

|                  |                           |
|------------------|---------------------------|
| Typescript ..... | CSS3 .....                |
| NodeJs .....     | TailwindCSS .....         |
| ExpressJS .....  | Docker .....              |
| NestJS .....     | GitLab CI/CD .....        |
| REST API .....   | Nginx .....               |
| GraphQL .....    | System Architecture ..... |
| PostgreSQL ..... | Scalability .....         |
| MySQL .....      | System Design .....       |
| VueJs .....      | API Integration .....     |
| ReactJs .....    | Team Leadership .....     |
| NuxtJs .....     | Agile/Scrum .....         |
| HTML5 .....      |                           |

## LANGUAGES

|                                                  |                                 |
|--------------------------------------------------|---------------------------------|
| English (Professional Working Proficiency) ..... | Bahasa Indonesia (Native) ..... |
|--------------------------------------------------|---------------------------------|