I GEDE YOGA SETIAWAN

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SUMMARY

Software Engineer with experience in building scalable applications, APIs, and real-time systems using Python, PHP, and modern frameworks. Skilled in performance optimization, system integration, and reliable software deployment, with a strong passion for digital innovation and tech-driven solutions.

WORK EXPERIENCE

Software Developer - PT. Exprodi Prakasa Teknokarya   **Mar 2022 - Feb 2025**

- Developed and maintained scalable web applications using Python and PHP.
- Built and optimized RESTful APIs for seamless data exchange across platforms.
- Improved performance via code optimization, database tuning, and architecture design.
- Deployed and monitored applications in production to ensure high availability.
- Wrote clean, reusable, and well-documented code following best practices.

Software Engineer - PT. Tri Cipta Internasional   **Feb 2025 - Present**

- Designed and maintained scalable software systems to support business growth.
- Built and optimized efficient APIs for seamless integration and communication.
- Developed real-time solutions for high-volume data with low latency.
- Improved performance by enhancing algorithms, queries, and system architecture.

EDUCATION

Bachelor of Computer Science (Information Technology), In Progress   **Aug 2023 – Present**
University of Pamulang

- Major in Automotive Technology.
- Thesis on "Technological Advancements within the current Mechatronics Industry".

ADDITIONAL INFORMATION

Technical Skills:

- Programming Languages: Python, PHP, JavaScript, HTML, CSS
- Frameworks & Tools: Laravel, Django, Node.js, Bootstrap, jQuery
- Databases: MySQL, PostgreSQL
- AI/ML & Computer Vision: PyTorch, OpenCV, Ultralytics (YOLO)
- Other Tools: Git, Photoshop, Canva, Leaflet

Languages:

- English (Professional)
- Bahasa Indonesia (Native)

Projects:

- Real-Time Vehicle Counting System – Real-time vehicle detection & counting from CCTV feeds. (Python, OpenCV, YOLO, Node.js, Electron)
- License Plate Recognition (LPR) Application – Real-time license plate recognition with OCR & visualization. (FastAPI, YOLO, MySQL)
- Railroad Crossing Map – Web map app with geolocation to identify crossings, accident-prone areas & traffic analysis. (JavaScript, Leaflet, MySQL, Laravel)
- Online CCTV Streaming App – Real-time CCTV streaming with monitoring & traffic analysis. (WebRTC, Laravel, JavaScript, Golang)
- Vehicle Weighing Application – Automated vehicle weight recording integrated with digital weighing indicators. (Django, MySQL, Bootstrap, jQuery)