

# Christopher Gunawan

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## Education

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**Bina Nusantara University**

**Jakarta, Indonesia**

Bachelor of Computer Science, GPA: 3.52/4.0

- **Relevant Coursework:** Algorithm & Programming, Data Mining, Database Design, Big Data, Software Engineering, Artificial Intelligence

## Experience

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**Application Developer Intern**

**Feb. 2025 – Jan. 2026**

*PT Hartono Istana Teknologi (Polytron)*

*Jakarta, Indonesia*

- Developed an internal HR Web Application using Node.js, Express.js and EJS, designed streamlined employee competency assessments, grading and skill mapping for every role available.
- Architected scalable database schemas to handle high-volume employee data, ensuring data integrity for critical features like performance scoring.
- Developed a multi-platform Queue Management System for service centers, consisting of admin panel for admin operations and mobile application for customer interactions.
- Implemented WebView wrapper, enabling hardware communication for Bluetooth and USB thermal printers to generate queue number ticket, and informative status of the printers with “Heartbeat” mechanism to ensure smooth user experience.
- Translated complex business requirements from HR and Service Center divisions into technical specifications, digitalized previously manual operational workflows.

## Projects

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**SILAP – Digital Waste Management & Recycling Platform**

*Next.js (App Router), SSR, MySQL, REST API, JWT Auth*

- Developed an on-demand waste pickup ecosystem aimed at promoting 3R by bridging the gap between individuals and recycling center.

- Built a high-performance website using Next.js (App Router) to leverage Server-Side Rendering and SEO Optimization, ensuring a fast and responsive user experience.
- Integrated third-party public API to enhance platform functionality such as location services.
- Implemented a tri-role system: A “user portal” for scheduling pickups and tracking points with detailed dashboard. An “admin portal” for managing and setting up the necessary data and user payments, and a “Driver Partnership” for logistics management and pickup routing

## Certifications

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CODEPOLITAN Course “Belajar React.js”	16 Oct. 2024
CODEPOLITAN Course “Belajar JavaScript”	15 Aug. 2024
HACKERRANK Course “SQL (Intermediate)”	1 Nov. 2024

## Technical Skill

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**Languages:** Python, JavaScript, SQL, C

**Frontend:** HTML, CSS, Bootstrap, React.js

**Backend & APIs:** Laravel, Next.js, Node.js (Express.js), REST API, JWT Auth

**Databases:** MySQL

**Tools:** Git, Docker, Postman, VS Code, Figma, MySQL Workbench