

# Brilianto Azhari Suprpto

## IT Enthusiast | Software & System Development

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A motivated IT professional with 1 year of experience in software development and a strong background in Information Technology and Software Engineering. Skilled in system analysis, business process modeling, and software development, with experience in requirement gathering, design, and testing. Proficient in JavaScript, PHP, database management, and CRUD operations, as well as UML and ERD for system architecture analysis. Adaptable, analytical, and a fast learner, currently exploring System Analysis and SDLC to bridge business needs with technical solutions. Strong in problem-solving, teamwork, and leadership, ready to contribute to innovative IT solutions.

### AREA OF EXPERTISE

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- Software Development
- System Analyst
- IT Programmer

### EDUCATION

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#### Politeknik Negeri Jakarta

*Agustus 2020 - September 2024*

*Bachelor's degree in Information Technology*

- Cumulative GPA: 3.59/4.00
- Successfully obtained a bachelor's degree in 2024 by creating an application for submitting service statement letters for villages in Bogor Regency, facilitated by the Communication and Informatics Agency of Bogor Regency. The application includes a feature to fill out a form to submit statement letters to the village authorities and a feature to track the submission status of the letter. Additionally, there is a feature to print the statement letter once it has been validated by the village authorities.
- Related coursework: Discrete Mathematic, Introduction to Multimedia, Linear Algebra, Computer and Communication Network, Computer Security and Disaster Recovery, Numerical Method, Object Oriented Design and Analysis, Visual Programming, Computer Graphics, Data Warehouse, System Analysis and Design, Artificial Intelligence (AI), Web Programming, Information Systems Strategic Planning, Project Management, Decision Support System, Machine Learning (ML), E-Business, Enterprise Resource Planning (ERP), Data Mining, Software Development, Frontend Web Developer, Backend Web Developer, Fullstack Web Developer.

#### CCIT Fakultas Teknik Universitas Indonesia

*Agustus 2020 - Agustus 2022*

*Associate's degree in Software Engineering*

- Cumulative GPA: 3.57/4.00
- Certified as Software Engineering in Java Technologies.
- Certified as Professional Information Technology.
- Related Coursework: Information Technology, Algorithm and Programming, Relational Database Design, SQL Server, Tools Technique for Analyzing Data, Operating System, Object Oriented Programming, Java Programming, Web Programming, Web Application, Leadership and Communication, Algorithm and Data Structure, Information System using Framework, Automated Software Testing, Mobile Computing, Collaborative Development using Repository System, Project Management using DevOps, Information System Architecture and Technology, Human Computer Interaction, Web Programming for Mobile Devices, Cloud Computing, Software Engineering, Professional Ethics, Security Concept.

### PROFESSIONAL EXPERIENCE

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#### System Analyst & Web Developer – PT Catur Samasta Indonusa (Project)

*December 2024 - February 2025*

- Conducted system analysis for the Company Profile website, focusing on CMS functionalities for projects.
- Designed system workflows and architecture using Use Case Diagrams Entity Relationship Diagrams to ensure efficient data management.

- Developed the website using Laravel and Tailwind CSS, implementing a modern, responsive, and user-friendly interface.
- Built CRUD functionalities to manage employee data and Project (Internal & Public).
- Created a comprehensive user manual to guide administrators in managing employee and project data effectively.
- Prepared Initial and Final Reports, documenting the project's objectives, development process, and outcomes.
- Provided training sessions for company staff to facilitate easy adoption and efficient use of the CMS.

**System Analyst & Frontend Web Developer – Dinas Perikanan dan Peternakan Kabupaten Bogor (Project)**  
**November 2024 - Desember 2024**

- Led the system analysis phase for the Employee Management System (EMS) at Dinas Perikanan dan Peternakan Kabupaten Bogor, identifying key requirements and business processes.
- Created Use Case Diagrams and Entity Relationship Diagrams to model system workflows and architecture.
- Designed and developed the frontend interface using Next.js and Tailwind CSS, ensuring a modern and responsive user experience.
- Collaborated with stakeholders to gather and analyze requirements, ensuring that the system met organizational needs.
- Integrated RESTful APIs with the frontend using Axios, ensuring smooth data exchange between the system components.
- Prepared both the Initial Report and Final Report to document project objectives, development processes, and outcomes.
- Provided documentation and training for system users to facilitate a smooth transition and adoption of the new system.

**Web Developer - Politeknik Negeri Jakarta (Thesis)**

**February 2024 - August 2024**

- Applied the Waterfall methodology for the development of an Online Village Certificate Application System in Kabupaten Bogor.
- Conducted system analysis to evaluate the workflow of village certificate applications and identify key requirements.
- Designed Use Case Diagrams, Class Diagrams, and Sequence Diagrams to model the system architecture.
- Developed and implemented the web application using PHP Laravel for backend development and Tailwind CSS for frontend design.
- Deployed the system on a live server to ensure accessibility and functionality for village officials and residents.
- Performed Black Box Testing, System Usability Scale (SUS), and User Acceptance Testing (UAT) to evaluate system performance and user experience.

**Frontend Web Developer - Diskominfo Kabupaten Bogor (Intern)**

**Agustus 2023 - Januari 2024**

- Developed the frontend for the E-Office application for employees, managed by Dinas Komunikasi dan Informatika Kabupaten Bogor, using Next.js and Material UI.
- Designed the user interface initially using Figma to ensure an intuitive and user-friendly experience.
- Implemented the design into the website, ensuring responsiveness and aesthetic appeal across various devices.
- Integrated APIs from the backend, which was developed using Golang, by utilizing Axios for seamless data communication between the frontend and backend systems.
- Conducted testing and optimization to enhance performance and user experience, ensuring that the application met user needs effectively.

**Web Developer - Politeknik Negeri Jakarta (Project)**

**Mei 2023 - Juli 2023**

- Developed the fullstack solution for a Monitoring System for Consumable Goods in the warehouses of the Electrical, Civil, and Mechanical Engineering departments at Politeknik Negeri Jakarta, enabling the tracking of material quantities and storage positions in workshops.
- Utilized PHP with the Laravel framework for backend development and JavaScript with Vue.js for frontend implementation to create a cohesive user experience.
- Designed an efficient MySQL database to store data related to consumable goods, including quantities and storage locations.
- Implemented RESTful APIs to facilitate seamless communication between the frontend and backend, ensuring smooth user interactions and data retrieval.
- Incorporated jQuery to enhance the functionality and responsiveness of the user interface, allowing for efficient submission of material requests and real-time updates on inventory status.

## **ORGANIZATIONAL EXPERIENCE**

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**Volunteer/Committee Event at HIMATIK**

- Volunteering/Committee as Operational Division at EXPECTIK 2022/2023 event.
  - Technical Event Preparation: Set up logistics, including sound systems, projectors, and stage arrangements.
  - Venue Coordination: Ensured the venue was ready and secured necessary permissions and facilities.
  - Event Flow Management: Coordinated with the MC, committee members, and speakers to ensure the event followed the planned schedule.
  - Equipment and Documentation Management: Maintained technical equipment and assisted in event documentation if required.
  - Participant Mobilization: Guided attendees to designated areas and managed the flow of participants throughout the event.
- Volunteering/Committee as Fund and Consumption Division at TIKGAMES 2022 event.
  - Fundraising: Secured sponsorships and conducted fundraising activities such as selling merchandise and food before the event.
  - Consumption Planning: Assessed and determined food and beverage needs for committees, participants, and invited guests.
  - Vendor Coordination: Sourced and collaborated with food providers within budget constraints and event requirements.
  - Distribution Management: Organized and distributed meals and refreshments to participants and committees during the event.
- Volunteering/Committee as Operational Division at GASPOL TIK 2022 event.
  - Logistics Management: Organized operational needs, including technical equipment and venue layout.
  - Campus Coordination: Arranged room reservations and obtained necessary permissions from the university for the event.
  - Technical Coordination: Ensured smooth visual displays, including slide transitions and screen adjustments as required by speakers.
  - Event Operator: Managed the projector screen and presentation slides throughout the event.

**Sahabat PNJ (SPNJ)****Android Studio - Member****Agustus 2021 - Mei 2022**

- Members of Android Developer by learning the basics of creating mobile-based applications using Android Studio and creating small-scale application projects, namely the creation of building area calculation applications.

**Skills**

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Adaptability, Business Process Analysis, Communication Skills, Collaboration & Teamwork, Continuous Learning, Critical Thinking & Problem-Solving, CSS, Data Analysis & Interpretation, Database Management, Database Systems, ERD (Entity Relationship Diagram), Git, GitHub, GitLab, HTML, Java, JavaScript, Laravel, Next.js, Object-Oriented Programming, Process Improvement, Programming, Project Management, Requirement Gathering & Documentation, Software Development Life Cycle (SDLC), Software Development Processes, Stakeholder Management, Strategic Thinking, System Analysis & Design, System Architecture Design, Technology & Innovation, UML (Unified Modeling Language), Web Development.

**Languages**

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- Indonesia : Native
- English : Limited working proficiency

**Certifications**

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- TOEFL | L.A Language Academy
- DNIIT Software Engineering – Java Technologies | CCIT-NIIT
- Certified Professional Information Technology | CCIT FT UI
- Web Developer | Badan Nasional Sertifikasi Profesi
- Course Certificate HCIA-AI V 3.0 Course | Huawei
- Pemrograman HTML 5 | Udemy
- Object Oriented Programming | Udemy