Ervin Merdiano Iskandar

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Profile

Computer Science undergraduate with experience in backend web development, software quality assurance, and UI/UX workflow analysis. Experienced in developing web applications using Laravel and SQLite, performing manual testing, and validating user flows across web and mobile projects. Seeking an internship role where technical development and quality-focused thinking can be applied in real-world projects.

Education

Bina Nusantara University (BINUS)   10/2023 – Present
Bachelor's Degree in Computer Science – Interactive Media Design   *CGPA: 3.28/4*
Relevant Coursework: User Interface Design, Human-Computer Interaction, Web Programming, Visual Communication Design, Mobile Application Development, Software Engineering, and Data Structures.

Skills

- **Backend & Web Development:** Laravel (MVC, Authentication, CRUD), PHP, MySQL (Relational Database, Basic Query), HTML, CSS, JavaScript.
- **Software Testing & Quality Assurance:** Black Box Testing, Functional & Test Case Design, Test Scenario, Bug Identification & Documentation, Negative Testing, Workflow Validation
- **UI/UX & Prototyping:** Figma, Axure RP, User Flow Analysis, Wireframing & UI Workflow Design, Usability Testing
- **Tools & Collaboration:** Android Studio, Git, Jira
- **Soft Skills:** Analytical Thinking, Attention to Detail, Team Collaboration, Time Management, Adaptability.
- **Languages:** English (Advanced), Indonesian (Native).

Relevant Projects

Wheelers – Racing Game Promotional Website   8/2025 - 12/2025
Backend Developer & Quality Assurance

- Developed a web-based platform to introduce a racing game titled "Wheelers", allowing users to create accounts, download the game, read news, and follow updates.
- Implemented user authentication features including login, registration, session handling, and profile state management.
- Managed SQLite database integration to serve dynamic content, optimizing query logic to handle multiple concurrent user requests efficiently.
- Designed and executed 25+ test cases for user authentication and data retrieval, achieving 100% pass rate before deployment and reducing potential login errors.
- Tools: Laravel, PHP, SQLite

D Classic Books – Digital Library App (Group Project)   5/2025 - 6/2025
Backend Developer & Quality Assurance

- Developed and maintained backend features using Android Studio, including data handling and application logic integration.
- Performed manual testing on core functionalities such as login validation, book navigation, and reading flow.
- Executed Black Box Testing and Regression Testing, identifying and documenting 4 critical functional bugs in Jira, which improved application stability by 20%.
- Collaborated with UI/UX and frontend team members to ensure smooth integration between backend logic and user interface.
- Tools: Android Studio, Axure RP

Get BUS-y – Public Transport App (Group Project) 4/2025 - 6/2025

UI/UX Designer & Quality Assurance

- Designed all application UI and interactive flows fully in Axure RP, covering onboarding, route search, and ticketing features.
- Analyzed user journeys and identified usability and functional issues in public transport app flows.
- Conducted Usability Testing and analyzed user journey maps, identifying 3 critical friction points, leading to a navigation redesign that is projected to cut user task completion time by 30%.
- Proposed design and workflow improvements based on testing results to reduce user confusion and interaction errors.
- Tools: Axure RP, Jira

Asphatl – Racing Game Web Project 12/2023 - 1/2024

UI/UX Designer & Quality Assurance

- Developed a responsive website for a fictional racing brand named "Asphatl" (stylized brand name), inspired by modern racing franchises, showcasing vehicles, e-sports news, and community content.
- Implemented modular layouts and interactive elements such as hover animations, subscription forms, and content filtering to enhance user engagement.
- Tested UI workflows and interactions to identify usability bugs and navigation issues.
- Tools: Figma

Organizational Experience

- **BINUS Nippon Club – Education Division (Teacher)** 10/2024 – 2/2025
  Mentored 10+ members in digital drawing classes, resulting in a 60% increase in submitted artworks.

Awards and Certificates

- **Advanced English Certification – Beelingua:** 1/2024 – 3/2024
  Awarded for achieving proficiency in advanced-level English communication and comprehension.

- **INC (Inter-University Competitive Programming Challenge) – Contest Participant** 10/2024 – 12/2024
  Participated in a competitive programming contest involving algorithmic problem-solving, logical reasoning, and time-constrained coding challenges, placing in 188th place over 700+ participants

- **UI/UX Design Workshop – DSF 44 by Bimbingan.id:** 6/10/2025 – 11/10/2025
  Completed a 5-day digital design training series covering user experience research, interface design, and prototyping fundamentals, competing with over 500 participants.