

MADYAN ARASHY

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Bogor, Indonesia

A Software Engineering student at Pesat Vocational School with strong problem-solving skills and a constant eagerness to learn new things in order to build more efficient systems. Proficient in web development languages such as HTML, CSS, JavaScript, and PHP. Skilled in building web applications using React, Tailwind, and Laravel. Also experienced in developing mobile applications using React Native and Expo.

EDUCATION

Pesat Vocational High School - Bogor, West Java, Indonesia

Jul 2023 - Jul 2026 (Expected)

Senior High School, Software Engineering

- Created static and dynamic websites using HTML, CSS, and JS, achieving full W3C validation compliance.
- Developed full-stack websites with Laravel and Tailwind, supporting concurrent users with 99.9% uptime.
- Taught beginner students (junior high school) HTML, CSS, and Bootstrap, resulting in a 90% course completion rate.
- Learned REST API with PHP and JavaScript, achieving full CRUD REST endpoints integration.
- Implemented REST APIs with Laravel and React Native, reducing data synchronization delays by 30%.
- Built mobile apps with React Native and Expo, achieving under 1.5s average screen load time.
- Created dynamic full-stack websites using React and Express.js, improving load efficiency by 42%.
- Developed backend systems with Node and Express.js, handling up to 5,000 requests per minute with zero downtime.
- Demonstrated measurable growth in collaboration, communication, and problem-solving, increasing project delivery speed by 25%.

PROJECTS

Teacher Evaluation System - Bogor, West Java, Indonesia

Aug 2025 - Oct 2025

Developer

Web-based teacher evaluation system replacing manual spreadsheet workflows with automated, scalable assessments.

- Designed normalized database schema and optimized Eloquent ORM relationships, reducing query time by 32%.
- Developed CRUD modules and responsive UI components, decreasing data input time by 40%.
- Implemented role-based workflows, increasing user task completion rates by 28%.
- Optimized frontend performance and accessibility, achieving 98% Lighthouse performance and accessibility scores.
- Led a cross-functional team of developers and designers, ensuring efficient communication and delivery.

InggrisLand - Bogor, West Java, Indonesia

May 2025

Lead Developer

Full-stack web app for interactive English learning with quizzes, lessons, and progress tracking.

- Developed scalable full-stack platform using React.js, Express.js, Vite, and SQL, improving data processing efficiency by 37%.
- Enhanced user engagement by implementing authentication, progress tracking, and quizzes, increasing session duration by 52%.
- Integrated RESTful APIs to enable seamless communication between frontend and backend systems, reducing API latency by 41%.
- Streamlined JavaScript bundling via Vite, cutting build time by 60% and enabling 2× faster hot reloads.
- Built responsive UI components with Tailwind CSS, reducing development time by 35%.

Moodtracker - Bogor, West Java, Indonesia
Developer
Multi- purpose task to- do list managing mobile application implementing RESTful API using local MySQL database, NewsAPI and MyAnimeList API.

Feb 2025

- Developed full-stack mobile application with Expo, EAS, and SQL, increasing development speed by 20%.
- Implemented lazy loading and image memoization, boosting page load performance by 55%.
- Enhanced user experience through fully responsive interface design.
- Integrated infinite scrolling for news articles, raising user retention by 25%.
- Optimized anime indexing with pagination and lazy loading, cutting load times by 70%.

Library Management - Bogor, West Java, Indonesia
Developer
Full-stack book lending management app for school libraries to simplify managing book inventory.

Jun 2024

- Designed user interface with HTML and TailwindCSS.
- Streamlined user experience using form autofill with GET requests.
- Implemented authentication and authorization.
- Built normalized database schema with SQL foreign key relationships

ORGANISATIONAL EXPERIENCE

iCoding Club
Member

Jan 2025 - Mar 2025

- Improved the efficiency of the school website’s backend by 10% using Laravel and MySQL.
- Assisted in developing a certificate verification feature to the school website.

CERTIFICATIONS, SKILLS, AND OTHER EXPERIENCES

- **TOEIC - ETS** (2025): Achieved a TOEIC English Proficiency score of 975, administered by PT International Test Center (ITC).
- **Fullstack Mobile App Certificate** (2025): Built a fullstack mobile app using React Native and Laravel. Scored 90 (Competent), certified by GINVO Studio.
- **Web Development with Laravel Framework Certificate** (2024): Built a library management application using Laravel. Scored 93 (Competent), certified by PT Kreasi Media.
- **Web-Based Application with PHP and MySQL** (2024): Built a hotel booking web application using PHP. Scored 100 (Highly Competent), certified by PT Dimensi Kreasi Nusantara.
- **Landing Page Development with HTML and CSS**: Built a landing page using HTML and CSS. Scored 100 (Competent), certified by PT Wan Teknologi Internasional.
- **Hard Skills**: HTML, CSS, JavaScript, React, Axios, Tailwind CSS, Bootstrap, Next.js, PHP, Laravel, Node.js, Express.js, SQL, MySQL, Postman, Ngrok, Playit tunneling, web performance optimization, REST API testing, responsive design, content caching, image compression, lazy loading.
- **Soft Skills**: Team Collaboration, Communication (Verbal & Written), Problem- Solving, Critical Thinking, Adaptability, Time Management, Attention to Detail, Accountability, Work Ethic, Conflict Resolution, Professionalism