

M NASHRULLAH ARIF

FULLSTACK WEB DEVELOPER || MOBILE DEVELOPER

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SUMMARY

I am a recent graduate specializing in full-stack web development from a technical vocational high school, with experience in both web and mobile application development. I have hands-on expertise in **JavaScript**, **TypeScript**, **PHP**, **React**, **Next.js**, and **React Native** for mobile development, along with a strong understanding of both frontend and backend technologies. My technical skills, project experience, and creativity make me well-prepared to contribute to innovative web and mobile development solutions.

WORK EXPERIENCE

PT SEMPOA PRIMA TEKNOLOGI

Maret 2024 - Present

As Fullstack Web Developer

- Maintained and developed a web-based finance system using Laravel, Express, and Liquid.js to support multi-company needs. Handled ERP, POS, and warehouse system updates, ensuring smooth operations and timely fixes.

SNAPTIX

Desember 2024 - Present

Fullstack Web Developer & Team Leader at Snaptix

- Developed a ticketing platform with a responsive UI, secure payment integration, and admin tools for event management. Successfully implemented a barcode scanning feature, handling 15,000 attendees during the ELFET concert event.

EDUCATION

SMKN 5 BATAM

June 2020 - July 2023

Electrical Ship

- Marine Electrical Systems: Understanding the design, installation, and maintenance of electrical systems used in ships.
- Power Generation: Studying methods of generating and distributing electrical power in maritime environments.

Bootcamp Purwadhika Digital School

June 2023 - September 2023

Fullstack Web Developer

- Acquired comprehensive skills in full-stack web development.
- Gained proficiency in front-end technologies such as HTML, CSS, and JavaScript, utilizing frameworks like React.js.
- Developed back-end expertise using Node.js, alongside knowledge of database management with MySQL and MongoDB.
- Successfully completed projects demonstrating the ability to create responsive and engaging user interfaces.
- Acquired experience in API development to integrate front-end and back-end systems.

PROJECTS THAT HAVE BEEN WORKED ON

SEMPOA ERP

- Developed an ERP system using Laravel 10 and jQuery.
- Implemented features for asset management and automatic depreciation.
- Created multi-company financial reporting with automated monthly reports.
- Developed and integrated APIs for system functionality and external interfaces.

BIKO PROCESSING

- Designed and implemented APIs for seamless integration between Biko, Sempoa, and the POS system QUINOS using Express.js and MySQL
- Managed invoice mapping and Chart of Accounts (COA) integration.
- Generated daily financial reports and developed features for partner-specific product management, ensuring compatibility and data flow with QUINOS.

NEXUS (ACCOUNT CENTER FOR MANAGEMENT)

- Developed the NEXUS web application as a centralized hub for integrated system management.
- Provided a Company module for configuring systems built by the organization.
- Implemented separate User and Roles modules to allow customizable access control after system registration.
- Integrated robust authentication features, including login and forgot password, to ensure security and user convenience.

SEMPOA ERP V2

- Create Company – Users can create and manage multiple company profiles within the system.
- Roles and Permissions – Define and manage different roles for users, granting appropriate access and permissions.
- User Management – Create and manage user accounts with varying levels of access to the ERP system.
- General Journal – Record all financial transactions and maintain a comprehensive general ledger.
- Invoice Management – Create, send, and track invoices for goods and services.
- Voucher System – Generate and manage vouchers for internal or external use.
- Expense Management – Track and categorize business expenses for better financial oversight.
- Account Product – Manage products and services associated with different accounts.
- Partner Management – Add and manage business partners within the ERP system.
- Account Configuration – Configure account settings for accounting purposes, including tax rates and financial settings.
- Account Migration from Excel – Import account data from Excel files for seamless data migration into the ERP system.

PROJECTS THAT HAVE BEEN WORKED ON

SNAPTIX ID (PLATFORM TICKETING)

- Allows users to sign in or register using their Google account for secure and seamless access.
- Admins can create and manage multiple organizations to host and oversee various events.
- Users can create events with full details such as event name, date, location, and description.
- Organizers can create multiple ticket types (e.g., VIP, Regular) with customizable pricing and quotas.
- Voucher Code Support
- Users can apply voucher codes for discounts and promotional offers during ticket purchases.
- Point of Sales (POS) for Offline Sales
- Supports on-site ticket sales using a POS system, allowing walk-in purchases without requiring online access.
- Mobile & Desktop Applications
- Desktop Application with Handheld Scanner Support
- Provides a desktop check-in solution integrated with handheld barcode scanners for fast and efficient attendee validation.
- Generates detailed reports on ticket sales, event performance, and attendee statistics for analysis and decision-making.
- Displays a list of attendees who purchased tickets, including ticket type, payment status, and contact details.

SNAPTIX SCANNER MOBILE APP

- Mobile Application Development for Barcode Ticket Scanning
- Developed a mobile app for barcode ticket scanning, enabling quick and efficient ticket validation on both iOS and Android platforms.
- Implemented login functionality and organization/event selection to customize the scanning experience.
- Enabled barcode scanning for ticket validation and manual ticket input for quick corrections.
- Displayed real-time total scanned tickets and sold tickets for event tracking.
- Offline and Online Mode Configuration
- Integrated an automatic switch between online and offline modes for seamless ticket scanning.
- Configured the system to always use intranet mode when available, and automatically switch to internet mode if internet access is detected.
- Enabled offline mode when no internet connection is available, ensuring continuous scanning functionality without disruptions.
- Developed a system to switch between e-ticket scanning and wristband ticket scanning based on the event's requirements.

E-SNAP (SURAT KUASA)

- Developed "Surat Kuasa" feature for secure concert ticket transfers
- Enabled legal authorization and identity verification for ticket handovers
- Ensured validation at check-in to prevent fraudulent access

PROJECTS THAT HAVE BEEN WORKED ON

E-SNAP SCANNER

- Supports Offline, Online, Intranet, and Hybrid modes to ensure uninterrupted ticket scanning during events, even in unstable network conditions.
- All scans are logged locally during offline mode and automatically synchronized to the server when the connection is restored.
- Seamlessly switches between intranet and internet without interrupting the scanning process.
- Instantly identifies previously scanned QR codes and displays clear scan status (e.g., already used, invalid).
- Provides instant visual and sound alerts for each scan result, enhancing gate efficiency and user experience.
- Scans tickets using a local server/network (LAN) when internet access is unavailable.
- Allows QR data to be loaded before the event, enabling fully offline ticket validation if needed.

ABACUS POS (BACK OFFICE)

- Developed a comprehensive back office system to manage POS operations, enhancing efficiency across multiple retail outlets.
- Implemented robust menu management with AI-powered category creation, allowing automatic recommendations for category names based on user input (e.g., cafes, restaurants).
- Designed an item management system with attributes such as name, price, and unit, incorporating AI-powered unit conversion (e.g., kg to grams) for seamless operations.
- Integrated multi-outlet functionality, enabling centralized control for multiple retail locations.
- Enabled creation of user accounts and outlet management, including QR code-based login for user authentication and attendance tracking.
- Developed an invoice creation feature to streamline the billing process, ensuring accurate and efficient transaction management.
- Added a vendor management system to handle supplier details and product sourcing efficiently.
- Integrated a table management feature, allowing the creation and assignment of table numbers for restaurant-style POS operations.

SNAPTIX (BACK OFFICE)

- Developed and implemented tax schema setup for event organizers
- Created and managed event category system
- Built account creation flow for event organizers
- Designed and implemented organization verification (e.g., ID/NPWP upload)
- Developed ticket resend functionality for attendees
- Built event preview feature before approval
- Developed organization info preview (KTP/NPWP)
- Implemented API to enable POS system
- Designed revenue dashboard (overall & per event)
- Developed transaction queue setting per event

PROJECTS THAT HAVE BEEN WORKED ON

POINT OF SALES MOBILE APP

- Integrated QR code scanning for user check-in/check-out, logging attendance with time and user details.
- Implemented login functionality via QR code, allowing staff to log in automatically by scanning their unique QR code.
- Integrated Bluetooth printer support to print receipts and bills to both cashier and kitchen printers.
- Added printer settings to allow selection of different printers for tasks, using libraries like escpos-php for receipt printing.
- Created a page to display and summarize closed bills, showing total sales, transactions, and product breakdowns with filters by time or cashier.
- Developed a page to manage open (unpaid) bills, allowing cashiers to sort, filter, and close bills.
- Created an order management page with unique order codes, allowing order creation, viewing, and status updates.

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