MUHAMMAD FADLAN HAFIZ

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SUMMARY

Software Engineer with 3+ years of experience designing and building scalable web applications and internal systems. Specialized in full-stack development with React, Node.js, TypeScript, and Laravel, delivering solutions that improve productivity and user experience. Unique expertise in hardware integration including RFID systems and barcode scanning solutions. Proven ability to develop warehouse management systems, dashboard monitoring tools, and automation systems that drive operational efficiency. Strong foundation in IT infrastructure management and technical support.

EXPERIENCE

Internal IT   August 2025 – Present
Atreus Global   *Jakarta, Indonesia*

- Successfully managed IT department operations, ensuring 99% uptime and minimizing downtime
- Developed and deployed dashboard monitoring system for IT On Demand recruitment using React and Node.js, enabling real-time candidate pipeline tracking and recruiter performance analytics
- Provided end-to-end support for hardware, software, and internal applications, achieving 98% employee satisfaction rate
- Streamlined IT asset management and documentation process, improving tracking efficiency by 40%
- Collaborated with cross-functional teams to implement technology solutions that enhanced operational productivity

Software Engineer   August 2024 – August 2025
PT Rupa Aestetika Teknologi Aktual (RATA)   *Jakarta, Indonesia*

- Developed web-based applications to support dental clinic operations, improving patient management workflow and reducing administrative overhead by 30%
- Built and optimized IT infrastructure to support operational efficiency, improving system uptime by 45% across two clinic sites
- Implemented secure network solutions and maintained system reliability, reducing potential vulnerabilities and ensuring compliance with data protection standards
- Collaborated with cross-functional teams including software developers and clinic staff to gather requirements and deliver user-focused solutions
- Led system migration projects, including hardware and software upgrades, delivering projects on time and within budget
- Streamlined technical support processes, resulting in faster resolution times and improved employee satisfaction by 55%

Software Developer   October 2023 – August 2024
PT Wahana Datarindo Sempurna   *Jakarta, Indonesia*

- Progressed from Technical Support to Software Developer by demonstrating strong problem-solving skills and code improvement contributions during RFID reader integration project
- Built and deployed Warehouse Management System (WMS) for In&Out products using Laravel, React, and MySQL, enhancing inventory accuracy and operational efficiency by 65%
- Developed Asset Management System (AMS) to track company hardware and software assets, reducing asset loss and improving documentation workflows
- Configured and deployed Auto-ID hardware solutions including 1D/2D barcode scanners (Zebra, Honeywell, SEUIC), RFID fixed readers, RFID tags, and barcode printers for enterprise clients
- Collaborated closely with lead developer to design, test, and integrate RFID tracking applications, contributing code improvements and ensuring accurate real-time inventory updates
- Designed and implemented RESTful APIs to support frontend-backend communication, hardware integrations, and third-party system connections
- Delivered end-to-end solutions to clients including hardware procurement, software development (WMS/AMS), and system integration as complete packages
- Provided technical support for both hardware configuration and software troubleshooting, bridging the gap between physical devices and application logic

IT Support Intern   July 2023 – October 2023
Ultra Voucher   *Jakarta, Indonesia*

- Configured and managed office networks to meet operational needs, improving connectivity and reliability
- Installed and set up software and hardware for office use, streamlining onboarding processes and enhancing employee productivity
- Provided technical support for Delivery Order systems, ensuring smooth operations by implementing automation solutions
- Collaborated with Developer Team to design and implement automation systems for voucher network sales using JavaScript and Python, increasing efficiency and reducing errors by 40-60%
- Assisted in troubleshooting application bugs and performing quality assurance testing

PROJECTS

Warehouse Management System with RFID Integration | *Laravel, React, MySQL, RFID* 2023 – 2024
- Complete inventory tracking with In/Out product management integrated with RFID fixed readers
- Real-time stock updates through RFID tag scanning and barcode scanning systems
- Hardware integration with Zebra, Honeywell, and SEUIC scanners
- Delivered as end-to-end solution: hardware setup + software development + client training
- Achieved 65% improvement in inventory accuracy

IT On Demand Dashboard | *React, Node.js, TypeScript, MySQL* 2025
- Real-time recruitment tracking system with candidate pipeline visualization
- Role-based access control for recruiters and administrators
- Automated email notifications and status updates
- Achieved 98% user satisfaction rate

Asset Management System (AMS) | *Laravel, React, MySQL* 2024
- Company-wide hardware and software asset tracking
- Automated depreciation calculations and maintenance schedules
- User assignment and history logging
- Reduced asset loss through improved documentation workflows

Voucher Automation System | *JavaScript, Python* 2023
- Automated voucher network sales process
- Reduced manual errors by 40-60%
- Integration with third-party payment gateways

TECHNICAL SKILLS

Programming Languages: JavaScript (ES6+), TypeScript, PHP, Python, HTML5, CSS3
Frontend Development: React.js, Next.js, Tailwind CSS, Responsive Design, Framer Motion
Backend Development: Laravel, Node.js, Express.js, RESTful APIs, Authentication & Authorization
Databases: MySQL, PostgreSQL, MongoDB (basic), Database Design & Optimization
Hardware Integration & IoT: RFID Systems (Fixed Readers, Tags), Barcode Scanners 1D/2D (Zebra, Honeywell, SEUIC), Barcode Printer Configuration, Auto-ID Solutions
Tools & Technologies: Git, GitHub, Docker (basic), Vite, npm/yarn, Postman, VS Code, Zed, Composer
DevOps & Infrastructure (Basic): CI/CD fundamentals (Jenkins), AWS basics, Linux server administration, Nginx/Apache (basic)
IT & System Administration: Network configuration, Hardware/Software troubleshooting, System optimization, Technical support
Soft Skills: Problem-solving, Project planning, Team collaboration, Documentation, User requirement gathering

EDUCATION

Binus University Online Learning Jakarta, Indonesia
Bachelor of Information Systems *July 2023 – Present*
- Studying strategies to grow businesses in the technology field by leveraging innovative solutions
- Gained expertise in data management and big data analytics for developing scalable applications
- Learned methodologies for system development, including planning, designing, and implementing applications
- Enhanced knowledge in IT governance, business process modeling, and ERP systems

SMK Multimedia Sumbangsih Jakarta, Indonesia
Multimedia *June 2020 – May 2023*
- Developed applications for competitions and school projects
- Learned computer networking and network topology design using Cisco Packet Tracer
- Studied MikroTik basics and network administration
- Built foundational skills in multimedia production, graphic design, and video editing

CERTIFICATES & ACHIEVEMENTS

Finalist - UI/UX Design Competition (September 2022)
IT Support Internship Certification - Ultra Voucher (June 2022)

LANGUAGES

Bahasa Indonesia: Native
English: Intermediate (Written & Spoken)