MOCHAMAD ALFIAN H K

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PROFESSIONAL SUMMARY

Fullstack Developer with 4+ years of experience building enterprise-grade web and mobile applications for Toyota Motor Manufacturing Indonesia and blockchain startups. Specialized in ASP.NET Core, React.js ecosystem, and Kotlin Android development. Proven track record of delivering high-impact solutions that improve operational efficiency and drive measurable business results.

TECHNICAL SKILLS

- **Languages & Frameworks:** JavaScript, TypeScript, React.js, Next.js, Vue.js, ASP.NET Core, C#, Kotlin, Node.js, PHP, Laravel, Go, Python

- **Database & Backend:** Microsoft SQL Server, MySQL, PostgreSQL, MongoDB, RESTful APIs, T-SQL

- **DevOps & Tools:** Git, GitHub, GitLab, Docker

- **Specialized:** Solana/Ethereum Smart Contracts, Twilio VoIP, WebRTC, SEO Optimization, Google Analytics, Unit Testing

PROFESSIONAL EXPERIENCE

Senior Software Developer — PT Toyota Motor Manufacturing Indonesia   *Jun 2024 – Present*

Karawang, West Java

Karawang Engine Plant – Defect Management System

- Assisted users in recording and categorizing defective items for analysis and traceability
- Integrated machine learning output into the web interface to display defect predictions
- Developed a responsive UI for defect data entry and classification management

Karawang Plant 3 – Logistics Mobile Application

- Developed a mobile application using Kotlin and Google Maps API to visualize truck delivery routes
- Created dashboard modules to display total delivered goods in real-time
- Implemented delivery list views with dynamic filtering and status updates

Sunter Plant 1 – Export Compliance System

- Built a dynamic interface to generate case labels for export packaging
- Developed validation logic to ensure export items meet compliance requirements
- Refactored program structure for efficient export processing and integration

Karawang Plant 1 – Identification Vehicle System

- Built a dynamic dashboard interface with customizable widget grid system supporting drag-and-drop layout management
- Developed comprehensive vehicle profile system with tree-based navigation and multi-VIN comparison functionality
- Implemented automated data ingestion pipeline with cron-based scheduling for ETL jobs and file transfer operations

- Created role-based access control system with granular permissions for menu, tab, and data-level authorization
- Designed advanced vehicle history search with dynamic parameter builder and Sakanobori sequence tracking
- Integrated multi-database connection management supporting PostgreSQL, MySQL, SQL Server, Oracle, and FTP/SFTP sources
- Developed real-time widget configuration system allowing dynamic data visualization (charts, tables, grids, lists) with JSON-based customization

Technical Assistant & Developer — Universitas Gunadarma (Part-time) *Jan 2022 – Jun 2024*

Kalimalang, West Java

Academic System Development & Process Automation

- Developed comprehensive 'Lecturer Scheduling' system using PHP and MySQL
- Automated administrative processes reducing manual
- Managed academic operations including financial processes, certifications, and resource allocation

Lead Fullstack Developer — Monsta Scientist (Blockchain Startup) *Mar 2022 – Dec 2022*

Remote

Blockchain Platform & Team Leadership

- Led a team of 5 developers in creating innovative NFT minting platform on Solana blockchain
- Implemented Twilio VoIP integration for real-time call features used by internal teams across multiple departments.
- Developed high-performance landing pages using Next.js with advanced SEO techniques, achieving 95+ PageSpeed score
- Increased organic traffic by 200% through technical SEO implementation and Core Web Vitals optimization
- Built and deployed smart contracts handling 50,000+ blockchain transactions with zero security incidents
- Implemented staking mechanisms and gaming features using Cardinal protocol and Coinflip integration

Backend Blockchain Developer — Poglana (DeFi Platform) *Jun 2022 – Aug 2022*

Remote

Blockchain Data Processing & DeFi Protocols

- Developed sophisticated data scraping system for Solana blockchain using Node.js and Web3.js
- Implemented Merkle tree algorithms for efficient whitelist verification and gas optimization
- Built and managed liquidity pool deployment systems for DeFi protocols
- Created high-performance REST APIs serving real-time blockchain data to frontend applications

Fullstack Developer — Skully Of Nova *3 months*

Remote

NFT Marketplace Development

- Developed NFT vending machine interface with metadata editing capabilities
- mplemented user authentication and wallet connection features
- Optimized website performance achieving 98% GTmetrix score

EDUCATION

Bachelor of Computer Science (Informatika) — Universitas Gunadarma *2019 – 2023*
Depok, West Java — GPA: 3.68/4.00

Relevant Coursework: Database Systems, Web Programming, Mobile Development, Software Engineering

CERTIFICATIONS

- **BNSP Programming Certification** — Indonesian National Professional Certification Board — 2023

- **Oracle Database Intermediate** — Oracle Corporation — 2022

- **Golang Programming Intermediate** — Tech Academy — 2022

LANGUAGES

Indonesian: Native — **English:** Professional Working Proficiency