ZULKIFLI RAIHAN

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OBJECTIVE

Seasoned Full-stack Developer with nearly 5 years of comprehensive experience across diverse industries, demonstrating expertise in both frontend and backend development. Proficient in multiple programming languages and frameworks, with a strong focus on building scalable and efficient applications. Core competencies include PHP (Laravel, CodeIgniter), JavaScript/TypeScript (Node.js, Express.js, Vue.js), and Golang (Gin, Fiber). Experienced in implementing automated testing solutions using Selenium and Cypress frameworks, and well-versed in both SQL and NoSQL database management. Additional expertise includes working with C#, .NET Framework, React.js, and Next.js. Committed to delivering high-quality, maintainable code while staying current with emerging technologies and industry best practices.

SKILLS AND ABILITIES

Programming Languages	:	PHP, JavaScript, TypeScript, Golang
Frontend	:	Vue.js, React.js, Next.js, jQuery, Tailwind
Backend	:	Laravel, CodeIgniter, Symfony, Node.js, Express.js, Nest.js, Adonis.js Gin, Fiber
Databases	:	MySQL, PostgreSQL, Mongo
Testing	:	Selenium, Cypress
DevOps	:	Git, Ubuntu, cPanel, Nginx, Docker, Azure, DigitalOcean

EXPERIENCE

Senior Backend Developer – Software House Agency   **09.2024 – Present**

Part Time – Germany

Tech Stack: Laravel, Express.js, Symfony, Gin, MySQL, PostgreSQL, Redis, Docker, Google Cloud, Minio

- Designed and developed REST APIs using various frameworks including Laravel, Express.js, Symfony, and Gin.
- Implemented comprehensive unit testing using PHPUnit, Pest, and Jest to ensure code quality.
- Managed and optimized MySQL and PostgreSQL databases performance for handling large-scale queries. Reduced query response time by 40% faster response time.
- Implemented microservices architecture to enhance system scalability.

- Developed authentication and authorization systems using JWT for application security.
- Created comprehensive API documentation using Postman, including parameter specifications (required/optional) and data types.
- Integrated social media APIs for automated content publishing to Facebook Page, Instagram, and TikTok.
- Implemented payment systems through Stripe payment gateway integration.
- Managed and optimized cloud storage using Google Cloud and Minio.

Full Stack Developer – C Channel Indonesia   **09.2022 – Present**

Full Time - Jakarta, Indonesia

Tech Stack: Laravel, Vue.js, Quasar.js, GraphQL, MySQL, Meilisearch, Minio, DigitalOcean

- Designed internal and public applications using Laravel, Vue.js, and Quasar.js .
- Managed and optimized MySQL databases for handling large-scale queries, achieving 30% faster response time.
- Implemented Meilisearch to enhance data search functionality and performance.
- Optimized data export system through query optimization, queue system development, large dataset chunking implementation, progress tracking mechanism, and memory usage optimization
- Developed authentication and authorization systems using JWT and OAuth2 for application security.
- Integrated social media APIs (Facebook, Instagram, TikTok) to analyze engagement metrics including likes, comments, views, and engagement rates. Reducing manual work by 60%
- Developed AI-powered automation system using Claude for campaign categorization and tagging based on content and scope of work.
- Implemented payment systems through Xendit payment gateway integration.

Software Developer – PT Arah Environmental Indonesia   **08.2022 – 03.2023**

Freelance - Jakarta, Indonesia

Tech Stack: Laravel, CodeIgniter, PostgreSQL, Selenium

- Developed a comprehensive E-Invoice system with automation features for Tax Invoice, E-Stamp, Receipt, Invoice, Document Certificate, Notes, and Official Reports generation with monthly scheduled automation. Reduce manual work by up to 75%.
- Built applications using multiple frameworks using Laravel, CodeIgniter, Express.js.
- Managed and optimized PostgreSQL database focusing on query optimization, database indexing, table partitioning, and query caching for handling large-scale data. Improved database query performance by 60% through optimization and caching implementation.
- Developed an efficient document export and generation system with parallel processing implementation, background queue jobs, batch processing, progress tracking, automated scheduling, and robust error handling.
- Implemented automation testing using Selenium.
- Integrated multiple external APIs with E-Materai Indonesia, Tax Invoice System, Digital Signature.

Technical Lead Developer – Telkom Indonesia   **06.2021 – 12.2022**

Full Time - Jakarta, Indonesia

Tech Stack: Fiber, Laravel, Express.js, React.js, Next.js, MySQL, PostgreSQL, Mongo, Cypress, Selenium, Docker.

Technical Lead Responsibilities:

- Led a cross-functional team of 3 Developers, 1 QA, and 1 Junior PM focusing on product delivery and quality.
- Developed and standardized PRD (Product Requirements Document) and FRS (Functional Requirements Specification) templates for development guidelines.
- Conducted and managed daily sprint meetings, weekly sprint retrospectives, and monthly performance reviews for team progress monitoring.
- Performed project timeline analysis and planning with team, including resource allocation and risk assessment.
- Implemented rigorous code review system to ensure code quality before staging and production deployment.

Developer Role:

- Designed and developed applications using Fiber, Laravel, and Express.js for backend, along with React.js and Next.js for frontend.
- Implemented comprehensive unit testing using PHPUnit, Pest, and Jest to ensure code quality.
- Managed and optimized multiple databases (MySQL, PostgreSQL, MongoDB) focusing on query optimization, database indexing, data replication, sharding strategy, performance tuning, and caching system implementation.
- Developed Single Sign-On (SSO) system enabling seamless authentication across multiple applications.
- Designed and implemented automation testing using Cypress and Selenium Framework for end-to-end testing.
- Managed Ubuntu-based cloud infrastructure for staging and production environments, including CI/CD pipeline implementation with GitHub Actions, Nginx load balancer configuration, Docker containerization, SSL/TLS security, automated backup system, and monitoring tools.
- Optimized and maintained WordPress-based landing pages and managed server using cPanel.

Software Engineer – Nawatech   **01.2022 – 06.2022**

Part Time - Jakarta, Indonesia

Tech Stack: C#, .NET Framework, SQL Server.

- Designed and developed lecturer compensation calculation system for Binus University using C# and .NET Framework with microservices architecture implementation

- Developed RESTful API with complex compensation calculation features based on teaching hours, academic level, and performance bonuses
- Managed and optimized SQL Server database focusing on query optimization, stored procedures, database indexing, performance tuning, and caching implementation to improve response time

IT Programmer – LPKN Training Center   **09.2020 – 09.2021**

Full Time - Jakarta, Indonesia

Tech Stack: Laravel, CodeIgniter, React.js, Vue.js.

- Developed internal management system using multiple frameworks including Laravel, CodeIgniter for backend and React.js, Vue.js for frontend interface
- Designed and developed comprehensive E-Procurement system for BUMN Jasamarga including Vendor Management System, General Procurement Planning, E-Dashboard Analytics, and E-Tender Platform
- Managed and optimized MySQL database with implementation of query optimization, database indexing, table partitioning, replication strategy, backup automation, and performance monitoring for high-traffic applications
- Managed Ubuntu-based VPS and cPanel infrastructure, including Nginx web server configuration, SSL/TLS security, Supervisor process manager, load balancing, automated backup system, and server monitoring tools.

EDUCATION

STT Terpadu Nurul Fikri – Jakarta, Indonesia   **2021 - Present**

Computer Science Degree

Bootcamp Sekolah Programmer – Jakarta, Indonesia   **08.2019 - 11.2019**

by Nurul Fikri Computer & YBM PLN

COMMUNICATION

- Led and facilitated daily sprint meetings, weekly retrospectives, and monthly performance reviews with cross-functional teams.
- Conducted knowledge sharing sessions and technical training for junior developers.
- Collaborated effectively with international clients and remote teams across different time zones

LEADERSHIP

- Successfully led a cross-functional team of 5 members (3 Developers, 1 QA, 1 Junior PM) at Telkom Indonesia
- Implemented standardized development processes and best practices that improved team productivity by 40%
- Spearheaded the adoption of new technologies and frameworks across multiple projects