SATRIA RAHMAT MUSYARIFIN
BACKEND & AUTOMATION DEVELOPER

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PROFILE

Experienced backend and automation developer with 4 years of work experience focused on efficiency, scalability, and security. I specialize in designing robust backend architectures and building reliable automation systems that minimize operational overhead and reduce error rates. My strength lies not only in technical implementation but also in the ability to think systematically identifying performance bottlenecks, enforcing secure data handling, and streamlining processes across engineering teams.

Brings a strong interdisciplinary edge, combining backend development with knowledge in cybersecurity and fraud detection. This allows me to anticipate risks, write more defensive code, and contribute meaningfully in environments where security and data integrity are critical.

With a proven track record in building scalable APIs, optimizing background processing systems, and automating end-to-end workflows, I thrive in high-stakes, performance-driven environments. Particularly effective in roles requiring rapid problem-solving, reverse engineering legacy systems.

I am open to roles in backend development, automation, cybersecurity, or fraud investigation teams especially where cross-functional technical thinking and system reliability are prioritized.

SKILLS

- Backend Developer
- Automation/Scraping
- Reverse Engineering
- Cyber Security

TOOLS

- Python
- JavaScript
- TypeScript
- PHP
- Java
- Golang
- Express Js
- Nest Js

- Gin Gonic
- Selenium
- Flask
- Django
- Oracle
- MongoDB
- SQL
- CSS
- BeautifulSoup

- Requests Html
- PyTelegramBotAPI
- Undetected ChromeDriver
- Puppeteer
- WhatsApp Socket
- Pandas
- Git
- Linux
- Threading

- Postman
- Docker
- Jadx
- Adb
- Frida
- Burpsuite
- Paramiko
- Lsposed

LANGUAGE

- Indonesia (Native)
- English (Middle)

WORK EXPERIENCE

East Jakarta

SENIOR BACKEND DEVELOPER – SINAR SAKTI INTERNASIONAL – FULL TIME ONSITE
November 2023 – Present

- Build an application to pull and process massive datasets from the Ministry of Finance's API.
- Reverse-engineered and analyzed an undocumented legacy Django applications.
- Architected and led the initial development of a new application ecosystem using Next.js and Oracle.
- Developed and maintained backend systems and APIs.
- Managed the entire server infrastructure for the Indonesian National Police Financial Center.
- Established a complete CI/CD pipeline and containerized the application with Docker.
- Executed system patching and vulnerability remediation across the server environment.
- Established and enforced backend coding standards and best practices.
- Mentored and guided a fellow developer on efficient coding practices and project management workflows.

SOFTWARE DEVELOPER (Automation Focused) – FREELANCE

- Reverse-Engineered and Emulated the encryption and request signing logic of a high-security mobile application.
- Identified and Mitigated Critical Security Vulnerabilities in various web applications, including Race Conditions, SQL Injection, and Cross-Site Scripting (XSS).
- Developed an advanced CAPTCHA solver capable of bypassing multiple common security challenges to enable seamless automation workflows.
- Developed a suite of e-commerce automation tools for major platforms (Zalora, Blibli, JD.ID), handling complex workflows from product detail scraping to fully automated checkout processes.
- Built and deployed multiple large-scale data scraping solutions for diverse targets including Ruangguru, Sociolla, and FlightRadar24, delivering structured data for business intelligence and competitive analysis.
- Automated complex B2B transactions via a private API for an Indosat partner using Golang, demonstrating multi-language proficiency in a high-reliability context.

BACKEND DEVELOPER – META PESONA TEKNOLOGI INDONESIA – FULL TIME REMOTE

- Architected and developed a scalable API using Django and MongoDB.
- Engineered a custom Django wrapper for standardized request/response handling and centralized error logging.
- Developed and maintained backend systems and APIs.
- Conducted comprehensive code optimization on core APIs and libraries.
- Established a complete CI/CD pipeline and containerized the application with Docker.
- Designed and implemented a critical anti-fraud module for a high-risk 88% new user discount campaign.
- Developed and integrated a secure payment module with the Doku payment gateway.
- Implemented a real-time chat feature using WebSockets.
- Built and deployed a push notification system.

BACKEND DEVELOPER – SIBER FORENSIK INDONESIA – FULL TIME ONSITE

- Engineered a real-time data ingestion pipeline using TypeScriptto listen, scrape, and index high-volume WhatsApp chat data into Elasticsearch.
- Developed a Flask-based API to serve processed data and enable complex analytics functionalities for client-facing dashboards.
- Integrated OpenAI's API to perform advanced sentiment analysis on chat data, providing actionable insights into user behavior and communication patterns.
- Authored complex Elasticsearch queries to visualize analytical data and successfully map user account activities across multiple groups.
- Executed significant performance optimization on data scraper tools

BACKEND DEVELOPER – ONTIME TECHNOLOGY INDONESIA – FULL TIME ONSITE

- Developed and maintained a core API using Django and MongoDB.
- Built a real-time WebSocket server to facilitate live chat.
- Engineered a comprehensive notification system using Firebase Cloud Messaging.
- Developed a high-performance microservice in Rust to handle specialized data processing tasks, improving system modularity and efficiency.W
- Built custom data scraper tools to support SEO initiatives and gather critical banking data for competitive analysis.
- Implemented a robust scheduling system for automated data manipulation and scheduled email delivery.

AUTOMATION DEVELOPER – AUTOBOT KARYA INDONESIA – FREELANCE REMOTE

- Successfully automated the submission and collection of COVID-19 vaccine data by interfacing with the private API of the national PeduliLindungi platform, handling a critical and high-stakes workflow.
- Engineered an unofficial WhatsApp API to provide automated messaging solutions for clients where official channels were not available.
- Developed a secure API for generating and managing software license keys for commercial automation products, creating a foundational piece of product infrastructure. Implemented significant speed and performance optimizations

PROJECTS

Some automation projects and fraud demonstrations can be seen through the following url
https://www.youtube.com/playlist?list=PLUR--SLLapFskSFQ5-_vRjbJmoDYbw9v6

EDUCATION

SYARIF HIDAYATULLAH VOCATIONAL SCHOOL   *Muara Badak, East Kalimantan*
Department of Computer and Network Engineering   *August 2019 – Apr 2022*

- Create web-based applications for grouping reading interests using Flask and Scikit-learn.
- Build a local network circuit using mikrotik.
- Automate networking via telegram using paramiko and pyTelegramBotAPI.

COURSE

- Python - Sololearn
- JavaScript - Sololearn
- PHP - Sololearn
- SQL - Sololearn
- GO - Sololearn