

SYAUQI RADHI ATHALLAH

Software Engineering Student | Backend & Full-Stack Development

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PROFESSIONAL SUMMARY

Informatics Engineering student with hands-on experience building full-stack web applications using PHP/Laravel, Next.js, and Supabase. Strong foundation in algorithms, database design, and system administration (Red Hat Academy certified). Actively developing application security skills through PortSwigger Web Security Academy and TryHackMe. Seeking a Software Engineer role in Singapore to contribute to scalable, production-grade systems.

EDUCATION

Universitas Islam Negeri (UIN) Syarif Hidayatullah Jakarta

Tangerang Selatan, Indonesia

Bachelor of Computer Science, Informatics Engineering (Teknik Informatika)

Expected 2027

GPA: 3.83 / 4.00 | Student ID (NIM): 12409011010004

- Relevant coursework: Algorithm Design & Analysis, Formal Language & Automata Theory, Database Systems, Human-Computer Interaction, Operating Systems, Artificial Intelligence, Information Security
- Undergraduate Thesis (Skripsi): Academic course scheduling system using Genetic Algorithm and Constraint Satisfaction Problem (CSP) approaches

TECHNICAL SKILLS

Languages: PHP, JavaScript/TypeScript, Python, SQL

Frameworks & Libraries: Laravel, Next.js, React, Leaflet.js

Databases: MySQL, PostgreSQL, Supabase

Tools & Platforms: Git, GitHub, Claude Code, Vercel, VirtualBox, Burp Suite, Linux (RHEL)

Design: Canva, Figma (Google Stitch), UI/UX flows, Information Architecture

Concepts: Data Structures & Algorithms, RESTful API Design, System Administration, Web Application Security (SQL Injection, OWASP fundamentals)

PROJECTS

E-Syarif — Campus Bus Tracking System

Personal Project

Laravel, Leaflet.js, MySQL

- Developed a real-time campus shuttle bus tracking web application for UIN Jakarta using Laravel and Leaflet.js for interactive map rendering
- Implemented a GPS simulation module to emulate live bus location updates in the absence of physical hardware, enabling full-stack testing of the tracking pipeline
- Designed the database schema and backend routes to serve real-time location data to the frontend map interface

AyoBelajar! — EdTech Learning Platform

Personal Project

Business Development, Product Design

- Designed a freemium EdTech platform concept providing PDF-based learning materials for Indonesian students from elementary to high school (SD–SMA)
- Authored the business proposal and go-to-market plan, including monetization strategy and target user segmentation
- Produced marketing collateral (Canva banners) and presentation materials to pitch the product concept

Perpustakaan Digital FST — Digital Library System

Personal Project

Next.js, Supabase, PHP, MySQL, UI/UX Design

- Designed a complete UI/UX system for a digital library platform: user flows, information architecture diagrams, hierarchical task analysis (HTA), and heuristic evaluation
- Built a working PHP/MySQL library management system from scratch, including catalog, borrowing, and returns functionality
- Diagnosed and resolved PDO MySQL driver configuration issues on Windows, restoring database connectivity for the application
- Authored a Next.js + Supabase implementation plan to migrate the system to a modern full-stack architecture

Warmangji — QR Code Restaurant Menu System

Personal Project

Next.js, MySQL

- Built a digital restaurant menu ordering system for Warmangji, allowing customers to browse the menu and place orders by scanning a QR code at the table
- Developed the frontend and backend using Next.js, with a MySQL database to manage menu items, categories, and orders

SiLapor — Campus Facility Complaint Reporting System

Personal Project

PHP, MySQL

- Built a web-based reporting system enabling students to submit and track complaints about campus facility issues
- Designed the MySQL database schema and PHP backend to handle complaint submission, status tracking, and report management

CERTIFICATIONS & CONTINUOUS LEARNING

- Red Hat Academy — RHEL System Administration: storage management, SSH hardening, user/group management, cron scheduling, and virtualization with VirtualBox
- Red Hat — Python Programming with Red Hat (AD141), 32 credit hours
- Cisco Networking Academy — CCNA: Introduction to Networks, Switching/Routing/Wireless Essentials, and Enterprise Networking, Security, and Automation (full CCNA track)
- Huawei ICT Academy — HCIA-Datcom V1.0

ADDITIONAL COURSEWORK & ACADEMIC WORK

- Algorithm Design & Analysis: Master Theorem, QuickSort, MergeSort, BFS/DFS, Dijkstra's Algorithm, Kruskal's Algorithm, Huffman Coding
- Formal Language Theory: GNF, CNF, Context-Free Grammar simplification, CYK Algorithm, ϵ -NFA to DFA conversion, Linear Bounded Automata, Turing Machines
- Database Systems: Entity-relationship modeling and UML/RUP artifacts for a healthcare management system (HealthOne)

LANGUAGES

Indonesian: Native **English:** Limited Working Proficiency