

K. SATRIA NINDHITA

Indonesia | (+62) 85934707905 | sandi.nindhita@gmail.com
Portfolio: <https://nindhita.xyz> | GitHub: <https://github.com/Nyanns> | LinkedIn: linkedin.com/in/satrianindhita

EDUCATION

Bachelor of Computer Science (S1 Informatika)

Universitas Teknologi Digital Indonesia, Yogyakarta | Graduation Year: September 2025

- GPA: 3.94/4.00
- Focus: Software Engineering, Distributed Systems, Database Management, Network Security
- Relevant Coursework: Algorithms & Data Structures, Object-Oriented Programming, Database Systems, Web & Mobile Development

FEATURED ENGINEERING PROJECTS

Lumiina — High-Concurrency Art Sharing Platform (lumiina.art)

Lead Fullstack & Backend Engineer | Go (Gin), PostgreSQL (Supabase), Redis, React, Vite, Docker, Vercel Edge

- Architected and deployed a responsive, Pixiv-inspired artwork sharing platform live at <https://lumiina.art>, delivering sub-10ms response times globally by pairing Vercel Edge Functions with Supabase PostgreSQL connection pooling.
- Built a modular Go backend using Clean Architecture (Handlers, Services, Repositories), hardening endpoints against OWASP Top 10 vulnerabilities.
- Implemented a high-throughput Redis caching layer for discovery feeds, trending tags, and user interactions (likes/bookmarks), reducing database query overhead by over 60%.
- Engineered client-side canvas optimization pipelines and dynamic SEO engines (XML Image Sitemaps & Wave-1 bot pre-rendering), enabling fast media rendering and Google Search Console indexing.

QA & SDET Test Automation Suite (Lumiina & API Services)

QA Automation Engineer | Playwright, Postman, k6, IEEE 829

- Authored comprehensive IEEE 829 Test Matrices covering functional, edge-case, and security boundary tests across authentication, asset upload, and interaction workflows.
- Automated cross-browser End-to-End (E2E) testing suites using Playwright, verifying critical user journeys and UI responsiveness.
- Designed load and stress testing scripts in k6 to simulate concurrent traffic spikes and detect API bottlenecks.

PROFESSIONAL EXPERIENCE

IT Support and Fullstack Dev (Internship)

Badan Kepegawaian Negara - Republik Indonesia | Nov 2025 – May 2026

- Spearheaded internal digital transformation by developing and deploying a fullstack Visitor Logbook & Attendance Application using React, Go (Golang), and PostgreSQL, replacing manual Spreadsheet records and accelerating daily administrative reporting.
- Managed diverse IT initiatives ranging from coordinating real-time technical broadcasting for official events using OBS Studio and designing digital security materials pamphlet for Social Media that educated staff on cyber threat mitigation.

Machine Learning Engineer (Cohort)

Bangkit Academy led by Google, Tokopedia, Gojek, & Traveloka | 2024

- Completed a 6-month intensive program on the machine learning path, focusing on the practical application of Python and TensorFlow.
- Collaborated within a team to develop a capstone project, managing the end-to-end process from problem formulation, data collection, and preprocessing to building and deploying a prototype machine learning solution.

TECHNICAL SKILLS

- Programming Languages:** Go (Golang), Python, JavaScript, SQL (PostgreSQL), Bash scripting
- Backend & APIs:** Gin Framework, GORM, database/sql, RESTful APIs, JWT, Middleware, Clean Layered Architecture
- Databases & Caching:** PostgreSQL, Redis, Connection Pooling (Supavisor)
- Testing & QA Automation:** Playwright E2E, Testify (Unit Testing/Mocking), k6 (Performance Testing), Postman, IEEE 829 Test Plans
- DevOps & Cloud:** Docker, Docker Compose, Linux/Unix, Git, GitHub Actions, Vercel Edge, Supabase, Cloudinary

- **Security & Architecture:** OWASP API Security, SAST (CodeQL), Defensive Validation, RBAC, Wave-1 Bot Pre-rendering, Technical SEO

PROFESSIONAL SUMMARY

Results-driven Software Engineer with a Bachelor of Computer Science (S1 Informatika) and extensive background in Cybersecurity (Hack The Box Level and Google Cybersecurity Certificate). Specializes in Go (Golang) backend engineering and QA automation. Proven track record architecting and deploying full-scale production platforms (lumiina.art) featuring sub-10ms REST APIs, Redis caching layers, automated image optimization pipelines, and hardened OWASP defenses.

CERTIFICATIONS & ACHIEVEMENTS

- **Hack The Box (HTB):** Demonstrates advanced practical skills in penetration testing, vulnerability assessment, Linux/Windows system exploitation, and network security analysis.
- **Go Backend Engineering Mastery:** Production-grade software engineering, Clean Architecture, concurrency patterns, and microservices resilience.
- **Google Cybersecurity Professional Certificate:** Certified in cybersecurity operations, network packet analysis (Wireshark), SIEM incident analysis (Splunk, Chronicle), Linux/SQL security queries, Python automation, and applying the NIST Cybersecurity Framework.