

# Selwyn UY | Web Developer (Next.js)

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## PROFILE

Security-focused Web Developer specializing in Next.js and type-safe full-stack development (TypeScript). I design and ship production-ready applications using App Router, Server Components, advanced rendering, and server actions, implementing robust authentication and middleware and applying Security-by-Design informed by hands-on vulnerability assessment and penetration testing to mitigate OWASP Top 10 risks.

## EMPLOYMENT HISTORY

Cybersecurity Intern (VAPT) | Black Bear Securities | Remote Feb 2026 - Present

- Conducted comprehensive vulnerability assessments across web applications and APIs, identifying and reporting high-severity vulnerabilities using OWASP testing methodologies.
- Performed manual and automated testing to validate exploitability, developing proof-of-concept exploits that guided engineering teams in prioritizing critical remediations.
- Delivered detailed technical reports and executive summaries with clear remediation plans, successfully verifying the implementation of secure design controls (authentication hardening, input validation, CSP).

Web Developer (Next.js) | Freelance | Remote Aug 2023 - Present

- Architected and deployed production Next.js applications (App Router, Server Components) using TypeScript, achieving 90-100 Lighthouse performance and SEO scores for optimized user experience.
- Designed and implemented robust authentication, Next.js middleware, and server actions, enforcing strict least-privilege access across 100% of administrative routes.
- Applied Security-by-Design principles by integrating strict input validation, Content Security Policies, and secure HTTP headers to proactively defend against XSS, CSRF, and injection attacks.
- Optimized rendering strategies and integrated CI/CD pipelines, accelerating deployment workflows and significantly reducing client-side load times.

## EDUCATION

Bachelor of Science in Information Technology Aug 2022 - Present

Mindanao State University - General Santos

- Major in Database.
- Academic Standing: GPA: 1.54. Consistent Dean's Lister and on track to graduate being cum laude.
- Core Focus: Built multiple responsive, database-driven web applications utilizing modern frameworks, with a strict emphasis on secure, maintainable code architecture.
- Relevant Coursework: Database Systems, Data Structures & Algorithms, Computer Networks, Web Development, Software Engineering.

## SKILLS

Frameworks: Next.js (App Router), React, Tailwind CSS  
Backend & DB: Supabase (Auth, Storage, Realtime), PostgreSQL  
UI & Styling: shadcn/ui, Lucide Icons, Framer Motion  
Security Tools: Burp Suite, OWASP ZAP, Zod Validation, Auth.js  
Deployment: Vercel, Git/GitHub, CI/CD Pipelines

## PROJECTS

Personal Developer Portfolio & Security Lab | selwyn.vercel.app

- Accelerated deployment of a central project hub by utilizing and customizing an open-source Next.js template, demonstrating the ability to read, adapt, and optimize existing codebases.
- Engineered a purely static frontend architecture using Next.js and React, prioritizing lightning-fast page loads, optimal Core Web Vitals, and seamless mobile responsiveness.
- Eliminated backend attack vectors (such as SQL injection and server-side exploits) by intentionally choosing a serverless, static site generation (SSG) approach, supplemented by secure HTTP headers to mitigate client-side risks.