John Masahiro B. Shirai

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🌐 johnmasahiroshirai.vercel.app

SUMMARY

Innovative and detail-oriented Full-Stack Developer passionate about building user-centered, efficient, and responsive web applications. Experienced in React, Next.js, and Tailwind CSS for front-end development, with backend integration using Node.js, MongoDB, and MySQL. Focused on creating interactive, high-performing websites with smooth user experience, clean architecture, and automated deployment workflows.

SKILLS & TOOLS

- Frontend: React, Next.js, TypeScript, Tailwind CSS, HTML, CSS, JavaScript
- Backend / Database: Node.js, Java, MySQL, MongoDB
- Other Tools: Git, Electron, Firebase, PayMongo, Vercel, Framer Motion, Web3Forms
- Expertise:
    - Responsive and accessible UI development
    - Hardware and software integration (Java–Arduino communication)
    - CI/CD automation and deployment using GitHub & Vercel
    - Animated and interactive design using Framer Motion

PROFESSIONAL EXPERIENCE

On-the-Job Training (OJT) — 2025

PruLife UK

- Designed and developed a responsive web system to enhance client appointment handling.
- Implemented Calendly integration for automated scheduling.
- Built reusable, modular React components styled with Tailwind CSS.
- Added motion effects and smooth transitions using Framer Motion.
- Developed custom calculators with TypeScript and form validation.
- Improved SEO and performance with Next.js optimization.
- Managed continuous deployment pipeline via Vercel connected to GitHub.

IT Staff — 2025

Pointman International Services Inc.

- Provided day-to-day technical support for office computers, printers, and peripheral devices
- Diagnosed and resolved hardware, software, and connectivity issues to ensure smooth daily operations
- Assisted employees with basic system usage, account access, and common technical concerns
- Maintained and organized digital records and applicant-related documents
- Performed routine system checks, updates, and basic troubleshooting to minimize downtime
- Served as the primary point of contact for IT-related concerns within the office

PROJECTS

Library Management System
- HTML, CSS, JavaScript, PHP, MySQL
- Developed a library app for cataloging, borrowing, and managing inventory.
- Included user roles (admin, staff) and searchable records with pagination.

Fingerprint Door Lock System
- Java, MySQL, Arduino Uno, Fingerprint Sensor
- Built a biometric door access system integrating a Java desktop app and Arduino.
- Implemented serial communication for fingerprint enrollment and verification.
- Added access logs, smart alarm detection, and email notifications for security.

Coffee Shop Website & POS System
- Next.js, React, Tailwind CSS, MongoDB Atlas, Electron, Firebase OTP, PayMongo
- Created a dual system for web-based ordering and in-store POS operations.
- Integrated PayMongo for online payments and Firebase OTP for verification.
- Enabled receipt printing with POS-58 thermal printer integration.

3JSHOP E-Commerce (Online Clothing Store)
- HTML, Bootstrap, CSS, JavaScript, PHP, MySQL
- Built an online store with product listing, shopping cart, and admin inventory panel.
- Implemented checkout workflow and order tracking for users.

PORTFOLIO WEBSITE

johnmasahiroshirai.vercel.app

Built with Next.js, Tailwind CSS, Framer Motion, and deployed via Vercel
- Developed a modern and fully responsive personal portfolio showcasing skills, education, and projects.
- Utilized Next.js App Router for structured routing and optimized SEO.
- Integrated Framer Motion for smooth animations and engaging micro-interactions.
- Implemented a contact form powered by Web3Forms API, enabling direct form submissions to email without server-side code.
- Designed accessible, validated form inputs with data-privacy consent.
- Optimized images using Next/Image for performance and improved Lighthouse scores.
- Configured GitHub–Vercel CI/CD pipeline for automated builds and deployments.
- Hosted on Vercel, ensuring fast global CDN delivery and uptime.

EDUCATION

Camarines Sur Polytechnic Colleges (CSPC) S/Y 2021 - 2025
- Bachelor of Science in Information Technology (BSIT)

CONTACT

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