

# Russel Kurt G. Nolasco

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## SUMMARY

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I have a passion for programming and continually adapt to new technologies. Being disciplined, consistent, and delivering high-quality results on time. Aiming to exceed expectations and contribute effectively to the world using technology.

## PROJECTS

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### **Future Vault** | Enrollment Prediction using SARIMAX | [Source](#)

- Developed a desktop application using Python and Tkinter for predicting student enrollment based on historical data. Utilized data analysis libraries such as NumPy, Pandas, and SARIMAX for time series forecasting. The application features a user-friendly interface and enables users to upload enrollment data, perform predictions, and visualize results using Matplotlib.
- Successfully created a practical tool for NU Laguna or other educational institutions to make data driven enrollment decisions, showcasing proficiency in data analysis, time series forecasting, and desktop application development.

### **NUQueue** | NU Laguna Queuing Management System | [Source](#)

- Developed a queue management system for NU Laguna campus to improve the queuing process for various offices, including admission, registrar, and accounting. The system generates unique queue numbers for both existing students and incoming guests, reducing wait times and enhancing overall office efficiency.
- Implemented a solution that improved the campus's administrative efficiency and enhanced the experience of students and visitors. This project demonstrates proficiency in software development and problem-solving for educational institutions.

### **InstantMERN Noodles** | MERN Stack E-commerce | [Source](#)

- Employed Axios for efficient handling of HTTP requests, ensuring seamless communication between the frontend and backend. Created an API endpoint in the backend of the application to enable communication between the frontend and server, allowing them to exchange data seamlessly. Ensured secure authentication using jsonwebtoken for JSON Web Token implementation, enhancing the platform's overall security. Also, implemented bcrypt to securely hash passwords, safeguarding user credentials stored in the system.
- The e-commerce platform showcases proficiency in both frontend and backend technologies, providing a seamless and secure online shopping experience. The use of modern libraries and frameworks demonstrates a commitment to efficiency, scalability, and user-centric design in the realm of e-commerce development.

### **BookSwift** | Book Management System | [Source](#)

- Developed a web application for book management that allows users to create, read, update, and delete books. Built with Next.js for the frontend, utilized Tailwind CSS for responsive UI design, and employed JSON-Server as the backend database to store book data.
- Created an efficient and user-friendly system for managing books, gaining hands-on experience with modern web development technologies, and demonstrating proficiency in frontend and backend development.

### **Blogr** | Frontend Mentor Challenge | [Source](#) [Live](#)

- Designed and developed a responsive and interactive blog website based on the Frontend Mentor challenge using Next.js, Tailwind CSS, and TypeScript. Implemented dynamic content rendering, smooth animations, and a user-friendly UI.
- Successfully completed the Frontend Mentor challenge, showcasing proficiency in front-end web development, responsive design, and modern web technologies.

### **Navigation** | Frontend Mentor Challenge | [Source](#) [Live](#)

- Crafted an intuitive navigation platform, demonstrating skills in frontend development and user interface design.

### **CarsAPI** | Using Rapid API | [Source](#) [Live](#)

- Developed and deployed an interactive website for exploring car-related data, showcasing proficiency in web development and API integration.

## EDUCATION

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NU Laguna | Bachelor of Science in Information Technology | Calamba Laguna, PH  
- First and Second Honor for different academic terms.

2020-2024

## CERTIFICATIONS

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**Introduction to Javascript** | Sololearn | 2023  
**JavaScript Intermediate** | Sololearn | 2023  
**Responsive Web Design** | FreeCodeCamp | 2023  
**JavaScript Algorithms and Data Structures** | FreeCodeCamp | 2023  
**Front End Development Libraries** | FreeCodeCamp | 2023

## SKILLS & OTHERS

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**Languages:** Javascript (ES5/ES6), TypeScript, PHP, Python, Java, C#  
**Frontend:** HTML5, CSS3, React, Angular, NEXT, jQuery, Typescript, Bootstrap, Tailwind, DaisyUI  
**Backend:** Node.js, Express.js, .NET, RES  
**Databases:** MySQL, MongoDB, Firebase  
**Deployment:** Docker, Vercel, Github Pages  
**Version Control:** Git, Github  
**Design:** Figma, Canva  
**Others:** REST API, Database Design, Ajax, OOP, Postman, Swagger