Austin Nathaniel Soriano Miranda

Full Stack Developer | Computer Science Graduate

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A highly motivated and detail-oriented Full Stack Developer with a strong background in web and application development. Proficient in the MERN stack, with hands-on experience in building scalable, user-friendly web applications.

Technical Skills

Category	Proficient	Familiar
Frontend	React, Tailwind CSS, Bootstrap, Vite, HTML, CSS	React Native, Expo,
Backend		Node, MySQL, Express, MongoDB, npm
Languages	Python, Javascript	C++, Java
End-to-End Testing	Cypress, Manual Testing	
CI/CD	Netlify, Render, Github	
Version Control	Git, Github	
UI/UX Design & Wireframing	Figma, Adobe Illustrator, Adobe XD	Canva
AI Tools / Prompt Engineering	OpenAI ChatGPT	

Work Experience

Design & Technology Technician

Singapore

Dulwich College Singapore

August 2019 - June 2024

- Prepared curriculum materials and ensured equipment readiness for 200+ students.
- Maintained workshops and enhanced safety protocols, fostering a productive environment.
- Conducted risk assessments and ensured compliance with safety regulations.
- Resolved 30+ technical machinery issues and guided staff in troubleshooting, demonstrating strong problem-solving skills.
- Provided expert CAD/CAM guidance to students and teachers, enhancing project quality and grades.
- Collaborated with purchasing departments and suppliers to streamline resource procurement, accelerating item receipt times.
- Led leather-crafting workshops, expanding the summer program.
- Managed paperwork and petty cash submissions, enhancing efficiency and processing times.

Full Stack Developer

Singapore

Freelance

December 2023 - February 2024

- Developed and deployed a cross-platform, responsive, and user-friendly full-stack web application using MERN Stack (React, Express, Node.js, MongoDB) and Tailwind.
- Enhanced UI/UX design, streamlining the client's operations by 30% compared to their previous software.
- Collaborated with the client to gather data, define app specifications, create user stories, and present mock designs and user flows, achieving a 100% client satisfaction rate.
- Managed over 20 iterations based on client feedback, significantly enhancing the user experience and ensuring the application was intuitive and easy to navigate.

Education

University of Wollongong / Singapore Institute of Management

Singapore

Bachelor of Computer Science, Major in Digital Systems & Security
(Part-Time)

June 2021 - February 2024

- **Final Year Project**: Developed a cross-platform full stack water management system using PHP, HTML, CSS, JavaScript, Bootstrap, and MySQL, achieving a distinction.
- **Distinctions**: Multicore and GPU Programming, Fundamental Programming with Python, Final Year Project, Database Performance Tuning, Software Development Methodologies, Intro to Web Technology, Algorithms and Data Structures, Database Systems, Programming Fundamentals, IT Project Management.

Ngee Ann Polytechnic

Singapore

Diploma in Product Design & Innovation

2014 - 2017

- Developed a strong product design portfolio, received a silver certificate in co-curricular activities, and won the Merit Award in the Motorola Solutions Final-Year Project Awards.
- Served as Media President of the Canoeing Club and contributed to a disability school in Vietnam through the Youth Expedition Project.

Projects

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Freelance, Solo Project

Hospital Delivery Coordination System

December 2023 - February 2024

- Developed a hospital delivery coordination system using the MERN stack, enabling efficient job making, driver assignment, tracking and management of deliveries for hospital clients.
- Enhanced UI/UX design, logistics with custom features, minimised paperwork, and improved operational efficiency compared to the client's previous software.
- Delivered a tailored, robust and functional solution with 100% client satisfaction.

Technologies: MongoDB, Express, React, Node.js, HTML, CSS, JavaScript, Tailwind CSS, Postman, CI/CD (Netlify, Render), VS Code, GitHub.

You Are Broke!

Solo Project

Finance Tracker and Budgeting App

March 2024 - Present

- Developed a cross-platform finance tracker app using the MERN stack, featuring finance management, net worth calculation, and budget allocation.
- Enhanced security with hashed user data storage and JSON Web Tokens.
- Optimised CRUD operations using React Context and useMemo, improving efficiency.
- Utilised GitHub for version control and implemented CI/CD pipelines with Render and Netlify for rapid deployment.
- Ensured app reliability through End-to-End testing with Cypress.
- Improved HTML and vanilla CSS skills by focusing on cleaner, framework-free code for styling.

Technologies: MongoDB, Express, React, Node.js, HTML, vanilla CSS, JavaScript, Vite, Postman, End-to-end Testing (Cypress), CI/CD (Netlify, Render), VS Code, GitHub, XCode Simulator

Pop's Picks

Solo Project

Movie Tracking & Exploration App

April 2024 - Present

- Built a React Native movie tracking app featuring movie exploration, detailed descriptions, marking watched movies, and a custom "JS" button for Jason Statham movies.
- Designed a user-friendly interface and implemented local storage for data retention, integrating with The Movie Database (TMDB) API.

Technologies: React Native, Expo, JavaScript, VS Code, GitHub, XCode Simulator