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Portfolio

- Personal portfolio showcasing web, mobile, and AR/VR projects
  "portfolio link"

Career Objective

A second-year Republic Polytechnic student pursuing a Diploma in Digital Design and Development, passionate about creating user-focused digital experience through UI/UX design, front-end development and emerging technologies such as AR/VR and AI. Skilled in JavaScript, Python, Node.js, Adobe Photoshop and Illustrator. A detail-oriented problem solver who thrives in collaborative teams and is eager to contribute fresh ideas and technical skills to an innovative organization.

Key Skills

Technical Skills

Python · JavaScript · HTML/CSS · SQL · MySQL · React · React Native · Node.js · Mobile App Development · Web App Development · UI/UX Design (Figma) · Adobe Photoshop · Adobe Illustrator · Software Testing · Data Analysis Basics · Cybersecurity Basics · Database Design · Unity (AR/VR)

Soft Skills

Problem-Solving · Communication · Collaboration · Leadership · Adaptability · Time Management · Creativity · Analytical Thinking · User-Centered Mindset · Attention to Detail

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Education

Republic Polytechnic
Diploma in Digital Design & Development (Expected year of completion: 2024-2027)

- Relevant Modules: **Software Engineering, Web & Mobile App Development, AR/VR, AI and machine learning, UI/UX for Apps**

Bukit Batok Secondary School

- GCE 'N' Levels (2019-2022) – 6 subjects passed
- GCE 'O' Levels (2023) - 5 subjects passed

Certifications & Courses

- **Designing Accessible Components In Figma (LinkedIn)**
- **Figma Essential Training: The Basics (LinkedIn)**
- **UX Design: 3 Creating Personas (LinkedIn)**
- **UX Foundations: Usability Testing (LinkedIn)**
- **ISTQB Foundation Cert Prep (LinkedIn)**
- **Software Testing Foundations: Bug Writing and Management (LinkedIn)**
- **Software Testing Foundations: Test Planning (LinkedIn)**
- **Unit Testing and Test Driven Development in Python (LinkedIn)**
- **Create a Quick, Clean and Cheap Website with Bootstrap Templates (LinkedIn)**
- **Hands-On Introduction: React (LinkedIn)**
- **JavaScript: Enhancing the DOM (LinkedIn)**
- **JavaScript: Web Form Programming (LinkedIn)**
- **Node.js Essential Training (LinkedIn)**
- **Programming Foundations: APIs and Web Services 2019 (LinkedIn)**

Projects & Experience

Republic Polytechnic

Travel List App – Smart Packing Companion

- Built a responsive web application that helps users plan and organize items for upcoming trips
- Implemented interactive features using React, allowing users to add, edit, sort, and remove travel items easily
- Utilized component-based design for clean UI structure and smooth user interactions
- Added real-time item status updates to help users track what's packed and what's pending
- Ensured a mobile-friendly interface with intuitive layouts and dynamic rendering
- Deployed the application on Vercel for fast and reliable access across devices
- Focused on simplicity and usability, making the tool suitable for casual travelers and frequent flyers

Pizza Ordering App – Customizable Food Ordering Experience

- Developed a React-based web app that allows users to customize pizzas with different sizes, toppings, and quantities
- Designed modular UI components for pizzas, orders, and cart management
- Implemented dynamic state updates to handle pricing, item selection, and real-time cart changes
- Ensured smooth user flow from browsing to checkout with clean and responsive layouts
- Added features such as total price calculation and order summary for a clear purchasing experience
- Deployed the project on Vercel to provide fast loading times and seamless user experience
- Focused on showcasing interactivity, user-friendly controls, and practical application of React fundamentals

Sleep Tracker App – Daily Rest Monitoring Tool

- Built a full-stack sleep tracking application using Node.js, Express, and MySQL to record and manage users' sleep logs
- Implemented features such as adding new sleep entries, viewing all logs, and deleting outdated records
- Designed clean and simple UI pages using Bootstrap to ensure ease of use for students and working adults
- Managed routing and backend logic with Express for smooth data flow between client and server
- Applied CRUD operations to handle sleep duration, sleep quality, and daily rest patterns
- Conducted testing and debugging to ensure accuracy of records and reliability of the system
- Focused on creating a practical wellness tool that promotes healthier sleep habits through easy tracking

Music Playlist Tracker – Interactive Song Management System

- Developed a dynamic playlist management web app using Node.js, Express, and Bootstrap
- Implemented key features such as adding new songs, editing existing entries, deleting tracks, and searching by title, artist, or genre
- Created a responsive interface with card-based song displays for a clean and modern user experience
- Used in-memory data management to support CRUD operations and real-time updates without needing a database
- Added interactive forms for user input, including a contact page with message submission
- Integrated Bootstrap to deliver polished UI styling consistent across all pages
- Focused on backend logic, routing, and user interaction to strengthen full-stack development fundamentals

Bookstore App – Simple Online Book Browsing Experience

- Built a complete multi-page bookstore website using HTML, CSS, and Bootstrap, focusing on clean layout and easy navigation for users
- Developed dedicated pages including Home, Products, three detailed product information pages, and a Contact form to simulate a real online bookstore experience
- Implemented a reusable navigation bar across all pages using Bootstrap components for consistent user flow
- Designed a responsive product listing page using card components, displaying book images, titles, and summary descriptions

- Created individual book details pages showing larger images, author names, prices, and full descriptions for each book
- Added a functional Contact page with fields for name, email, and message, providing a simple customer inquiry structure
- Ensured mobile responsiveness throughout the site by applying Bootstrap's grid and layout utilities
- Focused on practicing core frontend development skills including structuring pages, linking routes, organizing assets, and designing user-friendly interfaces

Leadership & Volunteer Experience

Bukit Batok Secondary School

- **Workshop & Enrichment Participation (2023):**
    - MLA Sec 4 & 5 – EAE Preparation Workshop: Interview Skills
    - MLA Sec 4 & 5 – Humanities Learning Journey to Singapore Discovery Centre
- **Leadership Module (2019-2023):**
    - Completed Sec 1 Strengths Explorer Workshops 1 & 2 to develop personal strengths, leadership skills and self-management
- **Recycling Project (2020):**
    - Washing and preparing empty cans for recycling to reduce metal wastage
    - Creating a sustainable environment for all
- **Values in Action (VIA) (2019):**
    - Participated in Sports Amazing Race, engaging seniors in sports and games with other CCA groups
    - Visited various venues, taking photos and engaging in friendly sports and games

Achievements & Awards

Bukit Batok Secondary School:

- **Team Player - School Inter Class Games (2022-2023):**
    - Represented my class in volleyball and tchoukball during inter-class competitions
    - Build strong teamwork, communication and coordination through friendly matches
    - Demonstrated sportsmanship while supporting an inclusive and active school culture
- **Applied Learning Programme - Young Engineer Award (2021):**
    - Learnt fundamental coding skills through hands-on applied learning activities
    - Completed a high-quality project applying engineering and design concepts
    - Awarded the Young Engineer Award by Singapore Polytechnic in 2021 for project excellence
- **Active participant - BBSS Sports Carnival (2020-2021):**
    - Join multiple inter-class sports activities promoting collaboration and resilience
    - Fostered strong team spirit while engaging in school-wide sporting events
    - Encouraged an active and healthy school environment
- **Team Competitor - NSG Badminton Championships C Division Girls – West Zone (2020):**
    - Represented my school in a series of friendly badminton team matches
    - Showcased teamwork, discipline, and perseverance during competitive play
    - Maintained positive sportsmanship in a fun and supportive environment
- **Endurance Runner - Annual Cross Country (2020):**
    - Participated in the school's annual cross country event
    - Demonstrated endurance, discipline and perseverance
    - Contributed to promoting teamwork and a healthy, active lifestyle
- **Strengths Explorer Workshop (2019):**
    - Attended a Secondary One workshop to better understand personal strengths
    - Applied self-awareness skills to improve learning, teamwork and communication