Jean Kurt C. De Austria

Tuguegarao City 3500, Cagayan Valley, Luzon, Philippines
kurtdeaustria@gmail.com | *(+63) 919 508 3829* | linkedin.com/in/jeankurt | https://kurtchan.com

PROFILE

Dynamic full-stack developer and systems engineer with a proven track record in designing, building, and optimizing scalable web and mobile applications. Highly skilled across front-end and back-end technologies, delivering secure, efficient, and intuitive solutions tailored to diverse client needs locally and internationally. Adept at transforming complex requirements into robust digital systems that drive user engagement and operational success. Committed to continuous learning and innovation, staying ahead of modern development, infrastructure, and cloud practices to deliver exceptional results.

TECHNICAL SKILLS

Languages:	TypeScript, JavaScript, C#, SQL, HTML, CSS, PHP, Python, Bash
Frameworks:	React, NextJS, Angular, Laravel, Ionic, Express JS, Bootstrap, Tailwind
Databases:	MySQL, Firebase, Supabase PostgreSQL
Developer tools:	VS Code, Visual Studio, Git, GitHub, MySQL Workbench, Postman/HTTPie
Cloud:	AWS, GCP, Docker, Kubernetes, Windows Server, Linux Ubuntu

EXPERIENCE

IT Server Engineer (Systems Administrator)
Pax Asia Information Corporation
January 2024 – Present

- Managed and administering **AWS** infrastructure including EC2, Route 53, and domain management for scalable and secure service delivery.
- Managed **Windows and Linux servers** on **VMware vSphere** and Nutanix AHV, optimizing performance and availability. Leveraged platform-specific features to support diverse workloads and operational needs.
- Implemented and managed **Active Directory policies**, enhancing network security and user access controls.
- Automated infrastructure monitoring processes using **Bash** and **Python** scripting, significantly improving operational efficiency.

Full-Stack Web Developer
Cagayan State University, Carig Campus
January 2023 – January 2024

- Developed a **content management system (CMS)** for the university using **Angular** and **Laravel**, streamlining campus-wide content operations.
- Maintained and enhanced the **online student portal** using **Vue.js** and **Laravel**, improving user experience and functionality.
- Managed and optimized **MySQL databases** for employee and student information systems, ensuring data integrity and efficient retrieval.
- Built an **RFID-based gate entry system** for students and staff using **C#** and **MySQL**, bolstering campus security and access control.

Part-Time Computer Science Professor
Cagayan State University, Carig Campus
September 2022 – February 2023

- Taught **web development** and **mobile development** courses, equipping students with practical programming skills.
- Evaluated academic performance through assessments, fostering critical thinking and technical acumen.
- Organized and conducted seminars and workshops across schools, promoting computer science education.

EDUCATION

Bachelor of Science in Computer Science   **2018 – 2022**
Cagayan State University, Carig Campus

Junior & Senior High School Graduate   **2012 – 2018**
University of Saint Louis Tuguegarao

PROJECTS

Shrt.lr | *React, Tailwind, Express.js, Supabase PostgreSQL (*https://shrtlr-two.vercel.app*)*

- Created a **user-friendly URL shortener** application with features like **QR code generation**, enhancing link sharing and accessibility.
- Leveraged **React** for an intuitive front-end experience, **Tailwind CSS** for responsive design, and **Express.js** with **Supabase PostgreSQL** for scalable back-end operations.

ColdSmart | *Ionic, Angular, Firebase, Raspberry Pi*

- Designed a **smart thermostat mobile app** that enables remote control of air-conditioning units to save energy and monitor **temperature** and **humidity**.
- Integrated **Raspberry Pi** hardware for IoT functionality and used **Firebase** for real-time data storage and analytics.
- Recognized as the **Best Undergraduate Thesis project** and **won 3rd place in Sustainable Smart Cities (SSC) 2050 Hackathon** , demonstrating innovation in IoT and energy efficiency.

AI Exam Question Generator | *React, HuggingFaceJS (*https://nexar.kurtchan.com*)*

- Developed a **question generation tool** using the advanced **Qwen-QwQ AI model** to assist educators in creating examination questions aligned with **Bloom's Taxonomy**.
- Designed a dynamic interface with **React** to provide educators control over the question type, difficulty, and content.

ACHIEVEMENTS & CERTIFICATES

Cum Laude
BS Computer Science, Batch 2022

3rd Place Impact Hackathon SSC 2050
Smart Thermostat Mobile App

1st Place in Mobile Application Development
ColdSmart App

Proficient in Web & Mobile Development Award 2022

JavaScript Essentials 1
Cisco Network Academy

JavaScript Essentials 2
Cisco Network Academy

CCNA Bootcamp Completer
Cisco

Introduction to Cybersecurity
Cisco Network Academy

Web Development for Web Developers
Department of Information and Communications Technology (DICT)