

# JAREN G. QUEGAN

Computer Programmer / Systems Developer

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## Education

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**Bachelor of Science in Computer Science**

09/2021 – 07/2025

Cagayan State University – Carig [📍](#)

Tuguegarao City,

Magna Cum Laude

Philippines

Class Valedictorian

## Professional Experience

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**Computer Programmer / Systems Developer**

01/2026 – Present

Department of Trade and Industry – Regional Office 2 [📍](#)

Key Responsibilities:

- Serve as Regional IT Officer, providing IT leadership and support across the Regional Office and multiple Provincial Offices.
- Design, develop, enhance, and maintain information systems and digital solutions in support of DTI operations and trade facilitation.
- Perform systems analysis, identify process gaps, and develop technical solutions to improve productivity, service delivery, and data management.
- Manage and coordinate IT personnel across divisions to ensure efficient delivery of ICT services.
- Oversee network infrastructure, databases, servers, and hardware/software platforms.
- Support deployment, customization, and integration of digital tools aligned with DTI standards.
- Contribute to digital transformation initiatives by recommending and implementing innovative ICT solutions.
- Prepare technical documentation, system workflows, and reports for ICT projects.
- Produce visual and multimedia materials (AVPs, presentations, reports) for internal and external stakeholders.

**IT Officer**

09/2025 – 12/2025

Department of Trade and Industry – Regional Office 2 [📍](#)

Tuguegarao City,

Key Responsibilities:

Philippines

- Designated as Regional IT Officer, overseeing IT support and systems administration for the Regional Office and multiple Provincial Offices across Region II.
- Managed and coordinated IT personnel across divisions.
- Maintained, troubleshooted, and secured network infrastructure, databases, and hardware/software systems.
- Supported deployment of digital tools for trade, business facilitation, and administrative services.
- Analyzed IT and operational processes, identified gaps, and provided actionable solutions to optimize productivity.

- Produced visual content including AVPs, presentations, and communication materials for internal and external stakeholders.
- Trained and guided staff on the use of digital tools and IT systems to ensure smooth adoption and compliance.

**Freelance Full-Stack Developer**

01/2025 – 09/2025

*Self-employed*

Tuguegarao City,

Philippines

- Develop responsive and scalable web and mobile applications tailored to client needs.
- Integrate AI-driven features into applications to improve automation, accessibility, and user engagement.

**Web Developer Intern**

06/2024 – 09/2024

*Department of Science and Technology – Regional Office 2* [↗](#)

Tuguegarao City,

Key Responsibilities

Philippines

- Developed a management platform using PHP, Bootstrap, MySQL, and CSS.
- Collaborated with the IT team to improve administrative workflows.
- Gained practical experience in full-stack web development and database management.

**Skills**

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**PROGRAMMING LANGUAGES**



Dart, JavaScript, TypeScript, Python, C#, PHP, VB.NET, HTML, SQL

**FRAMEWORKS & LIBRARIES**



Flutter, React, Next.js, Node.js, PyQt, Laravel, Vue.js, Angular, Ionic, Bootstrap, Tailwind CSS

**DATABASES & BACKEND**



Firebase, SQL, NoSQL

**TOOLS & OTHERS**



Github, Git, YOLO (Object Detection), REST APIs, Visual Studio Code

**SOFT SKILLS**



Critical Thinking & Problem Solving  
 Adaptability & Time Management  
 Effective Communication & Teamwork  
 Leadership & Creativity  
 Cultural Competence & Networking  
 Interdisciplinary Collaboration  
 Entrepreneurial Mindset

**Projects**

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**CKURE**

2025

*AI-powered Car Damage Detection App*

A mobile-first application for automatic car damage detection and repair cost estimation using computer vision. CKURE streamlines car insurance assessments by analyzing photos and generating instant reports.

<b>CKURE Desk</b> <i>Car Damage Management System</i> A desktop/web platform complementing the CKURE mobile app. Designed for admins and management teams to oversee inspection records, review damage assessments, and generate formal reports.	2025
<b>GrayVision</b> <i>AI-powered Brain Tumor Detection System</i> A medical imaging analysis system developed to assist doctors in diagnosing and managing patient cases. GrayVision detects and classifies brain tumors into categories: Glioma, Meningioma, Pituitary Tumor, or No Tumor. Built as a partial requirement for CS Elective 3 at Cagayan State University.	2025
<b>FINable</b> <i>Inclusive Financial Literacy Card Game</i> FINable is an educational card game designed to teach financial literacy to low-income and visually impaired youth. The game is designed with accessibility in mind, with planned features such as Braille and textured elements to ensure inclusivity for diverse users. The project won the <b>SGD 5,000 AUS 2024 Project Seed Grant</b> to support its implementation and workshops in schools.	2024 – Present
<b>DOST-R02 SETUP Management System</b> <i>Management System</i> A web-based management system developed for the Department of Science and Technology (DOST) Region II's Small Enterprise Technology Upgrading Program (SETUP). The platform supports monitoring, data management, and reporting of SME technology assistance projects.	2024

## Certificates

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### HONOR GRADUATE ELIGIBILITY (PD 907)

*Philippine Civil Service Commission*

### CAREER SERVICE EXAMINATION - PEN AND PAPER TEST (PROFESSIONAL LEVEL)

*Philippine Civil Service Commission*

## Awards

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### Academic Achievements

- Graduated with the Highest General Weighted Average (GWA: 96.55%)
- UniFAST Academic Excellence Awardee
- College Laureate of Academic Honor (CICS)
- Best Undergraduate Thesis (College Level)
- Academic Excellence and Outstanding Scholastic Performance

### International Exposure

- Delegate, Asian Undergraduate Symposium 2024 – National University of Singapore
- Project Grant Recipient, AUS 2024 (SGD 5,000 Grant)
- Internationalization Service Awardee