CIRE PAUL CRUZ

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Computer Science graduate from Our Lady of Fatima University with a solid foundation in software development and advanced programming. Proficient in Android Jetpack Compose, MVVM architecture, and Kotlin. Gained hands-on experience as a Data Management Intern at Nexus Technologies, contributing to SQL Server and ETL workflow projects. Committed to leveraging technical expertise and continuous learning to deliver innovative, high-quality software solutions.

🔗 linkedin.com/in/cirepaulcruz   🔗 cirehpaul.github.io/Portfolio/

EXPERIENCE

**JUL 2025-
NOV 2025**

FREELANCE – ANDROID DEVELOPER

MEDIA PRODUCTION COMPANY
SAN FRANCISCO, CALIFORNIA, UNITED STATES

PROJECT:
AI COACHING ASSISTANT APP

OVERALL CONTRIBUTION:
- Developed and enhanced core functionalities for the company's AI coaching and assistant application, ensuring clean UI, intuitive navigation, and responsive layouts using Jetpack Compose.
- Implemented robust data handling, network communication, and real-time updates through MVVM architecture, Retrofit, and OkHttp.
- Integrated AI-powered features leveraging OpenAI and Gemini to deliver personalization, recommendation systems, and automated content generation.
- Conducted testing, debugging, and performance tuning to maintain high reliability and scalability across diverse Android devices.

TOOLS/TECH USED:

- Android Studio
- Kotlin
- Jetpack Compose
- Google AI Studio (Gemini)
- OpenAI
- Retrofit
- Gson
- OKHttp
- MVVM (Model-View-ViewModel)

APPS SECTION, DATA MANAGEMENT INTERN

NEXUS TECHNOLOGIES INC.
1010 METROPOLITAN AVENUE, SAN ANTONIO, MAKATI CITY 1203

PROJECT:
SQL SERVER MANAGEMENT, DATA INTEGRATION, AND QUERYING TRAINING

OVERALL CONTRIBUTION:

- Assisted in managing and configuring SQL Server databases, including installation, indexing, performance tuning, and data querying. Participated in the design, development, and deployment of data integration solutions using Microsoft SSIS (SQL Server Integration Services) within Visual Studio to efficiently move, transform, and analyze data across systems.
- Supported the configuration and administration of SQL Server environments, ensuring optimal setup, secure access, and performance tuning.
- Learned and applied database best practices, including indexing, query optimization, execution planning, and structured SQL for reporting and analytics.
- Developed and optimized SQL queries to retrieve, validate, and manipulate data for business operations and project deliverables.
- Designed and implemented ETL workflows using SSIS in Visual Studio, including data extraction from various sources, transformation logic, and loading into target systems.
- Contributed to SSIS package development, testing, and deployment, helping streamline data migration and integration processes.
- Gained hands-on experience with enterprise-level data tools and actively participated in troubleshooting and resolving SQL and SSIS-related issues.

TOOLS/TECH USED:
- SQL Server Management Studio (SSMS)
- SQL Server Configuration Manager
- SQL Server Integration Services (SSIS)
- Visual Studio 2022
- Microsoft Excel

EDUCATION

OUR LADY OF FATIMA UNIVERSITY – LAGUNA CAMPUS
BACHELOR OF SCIENCE IN COMPUTER SCIENCE
Dean's Lister

SAINT BENILDE INTERNATIONAL SCHOOL INC

Calamba City, Laguna

CERTIFICATES

2025 ○ **2nd Regional Research Conference – Laguna University**
Theme: "Resilience Through Innovation: Navigating the Future in Education, Entrepreneurship, Engineering, and Digital Technology"

Certificate of Participation: **Lead Programmer and Presenter**

MAY 2022 ○ Unlocked: Password @ Authentication

MAY 2023 ○ T.R.U.S.T: "Tackling Risks and Understanding Security in AI Technology

MAY 2024 ○ The cutting edge: Trends Shaping the Future of Computing

MAY 2024 ○ DICT-WD001: Principles of Web Development and Introduction to HTML

MAY 2024 ○ DICT-ICT018: Basic Level of Software Engineering

MAY 2024 ○ DICT-MAD006: Introduction to Android Studio Application Development

MAY 2024 ○ DICT-WD002: Using HTML and CSS to Design a website

MAY 2024 ○ DICT-MAD007: Basic Building Blocks of the User Interface

MAY 2024 ○ DICT-MAD008: Android Fragments

MAR 2025 ○ DATABASE – DML Statements and SQL Server Administration
@ALLISON EMPOWER YOURSELF

MAR 2025 ○ SQL SERVER 2014: Security Fundamentals
@ALLISON EMPOWER YOURSELF

OCT 2025 ○ EU AI Act - Fundamentals of Laws on Artificial Intelligence
@ALLISON EMPOWER YOURSELF

OCT 2025 ○ Blockchain as a Service Using AWS
@ALLISON EMPOWER YOURSELF

OCT 2025 ○ Machine Learning in Python Environment
@ALLISON EMPOWER YOURSELF

NOV 2025 ○ SQL Server for Data Analysis
@ALLISON EMPOWER YOURSELF

NOV 2025 ○ Fundamental Data Analysis using Power BI
@ALLISON EMPOWER YOURSELF

NOV 2025 ○ Leveraging AI in Predictive Analytics, Automation, and Data Management
@ALLISON EMPOWER YOURSELF

PROJECTS

CAPSTONE

PRECISION WELLNESS APP: INVESTIGATING THE IMPACT OF DATA ANALYTICS ON PERSONALIZED NUTRITION AND FITNESS STRATEGIES

ANDROID MOBILE APP

Designed and developed an offline mobile application that applies data analytics to deliver personalized nutrition and fitness strategies. Engineered local data processing to generate tailored wellness plans, ensuring user privacy and accessibility without reliance on internet connectivity. Optimized performance to reduce load times by 25%, while increasing user engagement through intuitive design and personalized recommendations.

OVERALL CONTRIBUTION:

- Conceptualized and developed an offline Android application for personalized wellness, integrating data analytics into nutrition and fitness strategies.
- Designed and implemented the application architecture using the MVVM pattern to ensure scalability, maintainability, and clean separation of concerns.
- Developed a user-friendly interface using Jetpack Compose and Material Design principles for an intuitive and responsive user experience.
- Integrated Room Persistent Database backed by SQLite to enable efficient offline data storage, retrieval, and management.
- Created and managed structured data models to support seamless interaction with the SQLite database.
- Conducted thorough testing to ensure application reliability and usability, continuously improving the app based on user feedback.

TOOLS/TECH USED:

- Android Studio
- Kotlin
- Jetpack Compose
- MaterialTheme
- Room Persistent Database
- Hilt Dependency Injection
- MVVM (Model-View-ViewModel)

CUSTOM DELIVERY APP

ANDROID MOBILE APP

Developed a delivery application as a college project to streamline order placement and delivery processes. Designed and implemented features that enhanced efficiency, improved user experience, and demonstrated practical application of software development principles.

OVERALL CONTRIBUTION:

- Designed an intuitive user interface to simplify order tracking and improve customer experience in offline mode
- Implemented local database integration for efficient storage and retrieval of order and delivery information
- Optimized workflow logic to ensure timely updates and accurate delivery status notifications while operating fully offline

TOOLS/TECH USED:

- Android Studio
- Kotlin
- XML Views
- Room Persistent Database
- Hilt Dependency Injection
- MVVM (Model-View-ViewModel)

COGNITIVE DEVELOPMENT GAME

WEB APP

Developed a web-based cognitive development game system using **PHP, HTML, JavaScript, and CSS** as a commissioned project for a student from National University. Designed and implemented the complete system architecture, delivering interactive features that supported learning and skill-building activities. Collaborated closely with the client to ensure requirements were met and provided a fully functional solution tailored to their academic needs.

OVERALL CONTRIBUTION:

- Designed and implemented interactive game mechanics to support cognitive skill development and user engagement
- Built a responsive front-end interface with HTML, CSS, and JavaScript to ensure accessibility across devices
- Developed backend logic in PHP to manage user data, track progress, and deliver personalized feedback.

TOOLS/TECH USED:

- PHP
- HTML
- CSS
- Javascript

CORE TECHNICAL SKILLS

Programming Languages: Java, Python, JavaScript, Kotlin, C++, C#, .NET Framework
Mobile Development: Android Jetpack Compose, MVVM architecture
Web Development: HTML, CSS, React, Node.js
Data Management: SQL, ETL workflows, database design
APIs & Networking: RESTful APIs, Retrofit, OkHttp
AI/ML Integration: Familiarity with OpenAI and Gemini
Version Control: Git, GitHub

RELEVANT SKILLS

- **Problem-Solving:** Ability to debug and optimize code efficiently
- **Collaboration:** Working effectively in cross-functional teams
- **Adaptability:** Learning new frameworks and tools quickly
- **Communication:** Explaining technical concepts clearly to non-technical stakeholders
- **Continuous Learning:** Staying updated with emerging technologies