

JOHN ROBERT D. SANTOS

Software Engineer

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PROFESSIONAL SUMMARY

Software Engineer with 8+ years of experience building web applications, managing enterprise systems, and leading digital transformation projects. Specializes in Laravel, React, and Python/Django backed by deep expertise in PostgreSQL, Oracle SQL, and PL/SQL. Delivered secure identity systems, real-time executive dashboards, and data analysis solutions used university-wide at the University of the Philippines.

TECHNICAL SKILLS

Languages & Frameworks: PHP (Laravel), JavaScript (React), Python (Django), PeopleCode, SQR, PL/SQL

Databases: PostgreSQL, Oracle SQL, query optimization, schema design and documentation

APIs & Integration: REST and SOAP API design and integration, Postman, SoapUI

Enterprise Systems: PeopleSoft HCM/HSCM, PeopleSoft Campus Solutions, BI Publisher, Query Manager, Oracle ODSM, osTicket

Analytics & Tools: Data analysis, Google Looker Studio, Git (GitHub, Bitbucket)

PROFESSIONAL EXPERIENCE

Software Engineer

December 2025 – Present

University of the Philippines – Information Technology Development Center (ITDC)

- Lead developer for core university-wide systems used by UP officials and the broader UP community, including the Tinig Feedback Portal, Academics Dashboard, and Digital ID System.
- Design and develop scalable web applications using Laravel, React, Blade, Python, Django, and PostgreSQL; integrate APIs and optimize backend logic for performance, security, and maintainability.

Package Application Development Senior Analyst

May 2025 – December 2025

Accenture

- Retrofitted PeopleSoft objects (PeopleCode, SQR) for enterprise clients PruittHealth and TxCPA, ensuring upgrade readiness and state-specific compliance through proactive impact analysis.

Senior ICT Assistant

2021 – May 2025

University of the Philippines – Information Technology Development Center (ITDC)

- Wrote and optimized complex SQL queries for data retrieval, manipulation, and analysis; resolved database issues and maintained comprehensive schema and process documentation.

Oracle API Developer

2020 – 2021

University of the Philippines – Office of the Vice President for Academic Affairs (OVPA)

- Designed, developed, and maintained Oracle-based APIs and SOAP web services with authentication and authorization mechanisms securing endpoints and data across integrated systems.

Computer Programmer

2018 – 2019

University of the Philippines – Office of the University Registrar (OUR), Diliman

- Migrated legacy student records to the Oracle PeopleSoft Campus Solutions enterprise environment and resolved database errors and data integrity issues.

KEY PROJECTS — UNIVERSITY OF THE PHILIPPINES

Oracle PeopleSoft Campus Solution (SAIS) — Primary student record system for university-wide academic data management.

(PeopleCode, SQL, PL/SQL, BI Publisher, API Integration)

Tinig Feedback Portal — Unified feedback and ticketing portal deployed system-wide across UP. (Laravel, React, REST API, PostgreSQL)

Academics & President's Dashboards — Real-time reporting dashboards used directly by the University President and Chancellors. (Laravel, React, PostgreSQL, Looker Studio)

Digital ID System — Secure identity validation application for students and staff. (Laravel, React, REST API, PostgreSQL)

UP Lakbay — Transit and travel auditing system deployed system-wide across UP. (Python, Django, PostgreSQL)

EDUCATION

Bachelor of Science in Information Technology — Access Computer College

2015 – 2018

Computer Science Vocational Program — Access Computer College

2013 – 2015