

ROOSC ZAÑO

+639308544006 | Lucena, Quezon | zanoroosc@gmail.com | github.com/urlel0
linkedin.com/in/roosc-zaño | roosc-zano.vercel.app

BS Information Technology student specializing in Web and Mobile Application Development, with hands-on experience building backend APIs, distributed architectures, and full-stack web and native mobile applications using Python, Django REST Framework, C#, ASP.NET Core, React, and Kotlin. Seeking a software engineering or backend development internship to design scalable, containerized systems and high-reliability data services.

TECHNICAL SKILLS

Languages: Python, C#, JavaScript, TypeScript, SQL, Kotlin, Java

Web: HTML, CSS, React, ASP.NET Core, Django REST Framework, REST APIs, OpenAPI, Django Channels (WebSockets), Vite, Tailwind CSS

Data: PostgreSQL, SQLite, Redis, Celery, Entity Framework Core

Tools & Cloud: Git, GitHub Actions, Docker, Docker Compose, Azure fundamentals, Firebase FCM, Cloudinary

Mobile: Kotlin, Jetpack Compose, Flutter, Android Studio

SELECTED PROJECTS

Gridy (Team Capstone) | Python, TypeScript, Django REST, React, PostgreSQL, Docker **January - Present**

- Served as Lead & Full-Stack Developer for a cross-platform municipal administration system delivering OpenAPI-compliant REST APIs to synchronize web and mobile applications.

- Architected HttpOnly JWT authentication workflows, cryptographic refresh-token rotation, and strict Role-Based Access Control (RBAC) across administrative and citizen portals

- Engineered automated PDF clearance and certificate generation pipelines, integrating Cloudinary asset delivery and Firebase Cloud Messaging (FCM) for real-time resident updates.

Scrib (Solo Personal Project) | Python, Django Channels, WebSockets, Redis, Celery, React, TypeScript **August - September 2026**

- Built a real-time multiplayer word-game practice tool utilizing Django Channels WebSockets and Redis channel layers to synchronize game state across concurrent connections.

- Engineered an in-memory Python Trie data structure and matrix Depth-First Search (DFS) solver that evaluates 16-cube letter grids against 170,000+ words in under 10ms.

Paldo (Team Capstone) | C#, ASP.NET Core, React, PostgreSQL, Docker **May 2026**

- Developed a centralized scholarship platform featuring automated announcements, multi-tier document verification workflows, and dynamic eligibility filtering.

- Built ASP.NET Core REST APIs using Entity Framework Core, maintaining clean data models, repository patterns, and isolated container environments with Docker.

Nsync (Solo Android Project) | Kotlin, Jetpack Compose, Python, Django REST, PostgreSQL, Docker **May - June 2026**

- Developed a cross-platform synchronization tool featuring a native Android user interface built with Jetpack Compose.

- Implemented core backend synchronization modules in Kotlin and automated background utilities in Python.

Lock-Ad (Solo Personal Project) | Python, Django REST, React, Leaflet, OpenRouteService, Docker **September 2025 - Present**

- Engineered a safety-aware navigation backend overlaying walking routes with real-time street lighting metrics, meteorological risks, and historical crime incident feeds.

- Integrated OpenRouteService geospatial APIs with Leaflet map components and containerized the PostgreSQL database and API layers with Docker Compose.

AWARDS & COMPETITIONS

Top Performer - Open IT Applied Full Stack and Data Science Bootcamp; Enverga University, Lucena **May 28, 2026**

Team Leader & Participant - De la Salle University Hackercup; Taft, Manila **August 23, 2025**

Participant - Inventi Hackathon Challenge; Makati **October 5, 2025**

EDUCATION

Manuel S. Enverga University Foundation | Lucena City, Quezon **August 2023 – 2027**

Bachelor of Science in Information Technology, Web and Mobile Application Development | GWA: 1.5937 | Dean's Lister

TRAININGS & CERTIFICATIONS

Applied Full Stack and Data Science Bootcamp | OpenIT | Full Stack Development Track **May 4 – 29, 2026**

- ASP.NET Core, React, SQL databases, REST APIs, Docker, and team-based software delivery

Microsoft Certified: Azure Fundamentals (AZ-900) - Microsoft **July 2026**

- core cloud computing concepts, Azure architecture and services, identity management, networking, and cloud security fundamentals.

Operating System Virtualization – Illinois Institute of Technology: hypervisors, container isolation primitives, virtual networking, and host-guest architecture

Database Design and Basic SQL in PostgreSQL – University of Michigan: relational schema normalization, table relationships, indexing, and multi-table queries

Java Programming I & II; Basic Web Development – CodeChum: object-oriented program architecture, data structures, algorithm problem solving, and modern web fundamentals.