

# Lex Harie Pisco

+63-969-532-6817 · lexpisco.work@gmail.com · [linkedin.com/in/lexoy2004](https://www.linkedin.com/in/lexoy2004)

## SOFTWARE ENGINEERING & AI DEVELOPMENT

Software Engineer with backend, AI, and cloud expertise, aiming to create innovative, scalable solutions. Skilled in backend development, AI & Machine Learning, and Cloud & DevOps with **two years of experience** in designing scalable applications and enhancing system efficiency.

## WORK EXPERIENCE

Junior Software Engineer at White Cloak Technologies, Inc.

Sep 2023 - Nov 2024

[🔗 Splurge Art](#) | NodeJS, NestJS, Flutter, Jupyter Notebook, Typescript, Javascript, Dart, Python, Go, C Backend Developer

- Improved recommendation engine by implementing **vector embeddings** on AI-generated art, increasing user engagement by 80%.
- Implemented **AWS SQS** in an event-driven, distributed system architecture for message queuing, reducing system coupling by 40% and boosting request handling efficiency by 200%.

Chronos | NodeJS, NestJS, Flutter, Typescript, Javascript, Dart Backend Lead

- Developed a payroll and time-tracking platform, integrating HR functions in a single, role-based system to streamline administrative tasks. Now used as an internal tool.

## PERSONAL PROJECTS

Arcanae | [🔗 Solana Blockchain Hackathon](#) | NodeJS, NestJS, Flutter, Typescript, Javascript, Dart Sep - Oct 2024

- Won 1st runner up (30k PHP). Developed a platform for AI-generated NFTs, integrating emotion capture through facial recognition and biometric data.

Cooki | [🔗 Google Gemini API Hackathon](#) | NodeJS, NestJS, ReactJS, Typescript, Javascript May - Aug 2024

- Created a personalized shopping experience using Gemini API, integrating location-based IoT suggestions. ([Winners TBA](#)).

## TECHNICAL SKILLS

- Languages:** JavaScript, TypeScript, Python, C, SQL, Dart, Go
- Frameworks & Libraries:** Node.js, Flutter, ReactJS, NestJS, PyTorch, TensorFlow, GraphQL, REST APIs
- AI & Database Tools:** Google Gemini API, OpenAI API, MongoDB, PostgreSQL, MySQL, Firebase
- Cloud & DevOps:** AWS, DigitalOcean, Docker, GitLab CI/CD, Kubernetes, Terraform

## TECHNICAL EVENTS & WORKSHOPS

- Deep Learning with BEiT (Speaker, Jun 2024)** – Techniques in deep learning and computer vision using BEiT. [🔗 Event Link](#)
- Building Powerful Server-Side Solutions (Workshop Expert, Jan 2024)** – Workshop on efficient backend applications using NestJS. [🔗 Event Link](#)
- Introduction to DevOps (Workshop Expert, Jan 2024)** – DevOps practices with DigitalOcean and GitLab. [🔗 Event Link](#)

## EDUCATION

Bachelor of Science in Applied Mathematics

Relevant Courses: Data Structures and Algorithms, ML/AI, Statistics, Web Development  
University of San Carlos

## EXTRACURRICULAR ACTIVITIES

Lead, Tech Club

Google Developer Groups on Campus

Co-President, Math Club

USC Mathematics Society