

CONTACT

Address: Imus Cavite Philippine

Portfolio: <https://johncarlo177-portfolio.web.app/>

A highly skilled Python developer and artificial intelligence expert with extensive experience in building scalable solutions for machine learning, deep learning, and automation.

Passionate about leveraging AI to solve complex problems, I have successfully delivered projects across various domains, including natural language processing, computer vision, and predictive analytics. Proficient in Python frameworks like TensorFlow, PyTorch, and scikit-learn, I specialize in developing end-to-end AI pipelines, including data preprocessing, model training, and deployment on cloud platforms. Also specialize in building scalable and efficient backend systems, utilizing Nodejs, PHP and its frameworks like Express.js and Laravel and integrating databases such as MySQL, MongoDB and PostgreSQL. My hands-on experience includes working with MLOps tools like Docker, Kubernetes, and TensorRT to optimize model performance and deploy AI applications at scale. I stay updated with the latest AI trends, actively participate in tech communities, and contribute to open-source projects. Dedicated to pushing the boundaries of innovation through AI, I aim to empower organizations to harness the full potential of technology.

- PROFESSIONAL EXPERIENCE
- Senior Python & AI developer | 2021–2025 Riseapps,United State

 - Developed and deployed machine learning models using Python, leveraging libraries like TensorFlow, PyTorch, and Scikit-learn to solve complex problems such as predictive analytics and natural language processing.
 - Built end-to-end data pipelines, from data collection and cleaning to model training, evaluation, and deployment using cloud platforms like AWS and Azure.
 - Integrated AI models into production environments, optimizing performance and accuracy, and collaborated with cross-functional teams to implement data-driven solutions that improved business outcomes.
 - Automated tasks and workflows using Python scripts, streamlining processes and enhancing operational efficiency.

Backend Developer | 2017–2021 Insurnest, Sweden

 - Built and maintained high-performance, scalable backend services using Node.js, Express, and MongoDB, enabling seamless data flow between users and databases. Designed and implemented RESTful APIs, integrating third-party services such as Stripe and Twilio to enhance functionality.
 - Created deployment pipelines on AWS for development and production deployment to build Docker containers, run tests, and deploy to the server/Elastic Beanstalk.
 - Designed a solution allowing seamless processing of compute-intensive data to and from the application.
 - Developed an integration with third-party services (NWEA, Easybridge, Powerschool, Clever, Lexia, etc.).

Junior Full Stack Developer | 2014–2017 Tallium, Philippine

 - Worked alongside senior developers to build and optimize responsive web applications, learned best practices for database management and API integration.
 - Collaborated with cross-functional teams to design and implement scalable and responsive solutions using technologies like React, Node.js, Laravel and Python.
 - Architected and implemented complex database solutions with SQL Server and PostgreSQL, optimizing data storage, retrieval, and manipulation, which enhanced data processing efficiency by 30%.

EDUCATION

University of Mindanao | 2008–2012

Bachelor’s degree of Computer Science

SKILLS

Frontend	React, Vue, Angular, Next, Nuxt
Backend	Python, Django, Flask, Pandas, Laravel, Node, Neo4j, LangChain, Ruby, OpenAI
DB & Service	MySQL, MongoDB, PostgreSQL, AWS, Azure, Docker, NWEA, Easybridge, Clever, Lexia