JONATHAN GARCIA



BACHELOR’S OF SCIENCE IN COMPUTER ENGINEERING

# **CONTACT**

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**https://github.com/gjin10969**

# PROFILE AND OBJECTIVES

I’m a software developer with 2 years of experience specializing in backend API integration, automation, and AI-enhanced systems. Strong foundation in computer engineering with hands-on experience in FastAPI, Django, and data-driven applications. Eager to contribute to secure, scalable backend systems while continuing to grow in frontend technologies and AI integration. Known for being adaptable, detail-oriented, and a collaborative team player committed to innovation and system optimization.

# **SKILLS**

* **PROGRAMMING LANGUAGE:** PROFICIENT IN PYTHON (PRIMARY)
* **BACKEND DEVELOPMENT:** SPECIALIZED IN FASTAPI, FLASK and DJANGO. BASIC KNOWLEDGE OF NODE.JS
* **API INTEGRATION & WEBSOCKET**: EXPERIENCED IN RESTFUL API DEVELOPMENT AND WEBSOCKET INTEGRATION
* **CONCURRENCY MODELS AND CACHE:** KNOWLEDGE OF ASYNCIO, THREADING, MULTIPROCESSING AND CACHING LIBRARIES
* **AI & DEEP LEARNING: EXPERIENCE IN** INTEGRATING AND TRAINING MODELS WITH NLP AND COMPUTER VISION
* **DATABASES:** EXPERIENCE IN (MYSQL, REDIS, SUPABASE)
* **AUTOMATION & SCRAPING:** SKILLED IN SCRAPY, SELENIUM, AND REQUESTS
* **CLOUD & DEPLOYMENT:** BASIC KNOWLEDGE OF AWS, GOOGLE CLOUD;EXPERIENCE WITH GITHUB AND HUGGINGFACE
* **CONTAINER:** BASIC KNOWLEDGE OF DOCKER**.**
* **DEPLOYEMENT:** EXPERIENCE WITH GITHUB AND HUGGINGFACE.
* **FRONTEND (BASIC):** REACT.JS FRAMEWORK EXPERIENCE FOR PROTOTYPING
* **LINUX SYSTEMS:** SPECIALIZED IN UBUNTU FOR DEVELOPMENT AND SCRIPTING
* **TELEGRAM BOT DEVELOPMENT:** SPECIALIZED IN TELEPOT FRAMEWORK

**WORK EXPERIENCE**

## Algoforce Inc – Software Engineer (Financial Services)

### 7th Avenue corner 32nd Street, City Center, Bonifacio Global City, Taguig City (2024 - 2025)

* Programming languages used Python and JavaScript (primarily backend role, with additional support on frontend using JavaScript).
* Built a secure financial dashboard with Django, integrating protected API keys for client and executive accounts.
* Implemented asynchronous, threading and caching.
* Developed live trade plotting using the Binance API and WebSocket

in Node.js.

* Data extraction and automated getting data.
* Automating tasks and scripting on Linux and Windows.
* Worked on 24/7 crypto monitoring and provided reports to senior staff.
* Fine-tuned pretrained vision models to predict crypto prices from chart images.

## Codev Solutions Inc. – Software Engineer (BPO)

### Ortigas Center, Pasig, Metro Manila (2023 - 2024)

* + Programming Language used Python, Javascript, Html and CSS
  + Integrate the Voice Cloning and TTS to API using (Fast API) in Backend with a minimal frontend prototype for testing.
  + Implemented asynchronous, threading and caching.
  + Assisted in the fine-tuning and development of voice cloning (RVC) and text-to-speech (Bark TTS) models.
  + Collaborate with DevOPS for cloud integration (GCP).

## Probot Corp. – Software Developer (Intern)

### Quezon City, Metro Manila (2023 - 2023)

* + Programming Language used Python
  + Automated email systems.
  + Developed automated robotics with integrating AI

EDUCATION

Jose Rizal University - Bachelor of Science in Computer Engineering

2019-2023

Arellano University Pasig Bonifacio Campus

2017-2019

**REFERENCE**

* **JAYSON E. GARCIA**

Software Engineer 09561490771

* **RAVEN D. CASERO**

Senior Software Engineer 09152691534

* **ROYD AYND LAYSON OLA**

Assistant chief nurse for trainee

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**PROJECTS**



**Financial Dashboard Monitoring** – [GITHUB](https://github.com/gjin10969/Financial_Dashboard.git)

-Tracks historical and real-time PnL, drawdown, and other financial metrics with date filtering using Django.

**Live Trade Plotting (Binance)** – [GITHUB](https://github.com/gjin10969/live_data_plotting.git)

-Plots real-time open positions and stop losses from Binance WebSocket data.

**AI Chart Prediction Tool** – Private Code

-Detects candlestick patterns and generates Buy/Sell signals using YOLO.

**Telegram Bot for AI Crypto Signals** – Private Code

-Sends AI-generated trade alerts using Telepot with real-time integration.

**Fintech Bot (Telegram) –** [TELEGRAM LINK](https://t.me/CryptoCrazy_Accounts_bot)

-Sends real-time and historicalaccount PnL summaries with plots via Telegram using a backend server**.**

**QR-Based Attendance System Web-App** – ([GITHUB](https://github.com/gjin10969/QR-Based-Attendance-System.git))

-Logs attendance via QR scans with real-time updates (FastAPI + Database).

**Robotic Hand Control (CV)** – ([LINK](https://jonathanechualgarc.wixsite.com/gjin10969/projects-6))

Controls a robotic hand using gesture recognition via YOLO.

**Voice Cloning & TTS App** – ([GITHUB](https://github.com/gjin10969/TTS_VTV.git))

-Real-time speech synthesis using Bark TTS and RVC models.

**Smart Robot Cane (CV)** – [GITHUB](https://github.com/gjin10969/Smart-Robot-Cane-with-Computer-Vision-Technology.git)

-Vision-based, obstacle detection and GPS tracker for assistive navigation.

SEMINARS, TRAININGS, AND CERTIFICATIONS



* + - Generative AI and Chatgpt Masterclass for Software Engineers (Udemy)
    - Mastering WEB APIs wih fastAPI and Flask (Udemy)
    - Technical Support Fundamentals (Google)
    - Generative AI Fundamentals (Google Cloud Skills Boost)
    - Machine Learning Operations (MLOps): Getting Started (Google Cloud)
    - Developing AI Applications with Python and Flask (IBM)
    - Introduction to Large Language Models (Google Cloud Skills Boost)
    - AWS Academy Graduate - AWS Academy Cloud Foundations. (AWS)
    - Transformer Models and BERT Model (Google Cloud Skills Boost)
    - Introduction to Basic Arduino and Raspberry Pi (ICEpEP)
    - Fundamentals of Mobile Robotics conducted by Probot Corporation in cooperation with Mechatronics Technologies Corporation
    - Google Cloud Fundamentals: Core Infrastructure (Google Cloud)
    - Introduction to Cloud Computing (IBM)
    - Preparing for your Professional Cloud Architect Journey (Google Cloud)
    - Introduction to DevOps (IBM)
    - Linux Fundamentals (LearnQuest)
    - Architecting with Google Kubernetes Engine: Foundations (Google Cloud)
    - Managing Linux Systems (LearnQuest)
    - Google Cloud Big Data and Machine Learning Fundamentals (Google Cloud)

I hereby certify that the above information is true and correct to the best of my ability.