CONTACT

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JONATHAN GARCIA

BACHELOR'S OF SCIENCE IN COMPUTER ENGINEERING

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) KNOWLEDGE OF JAVASCRIPT.

- **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)

- Developed secure financial dashboards using Django and JavaScript.
- Integrated protected APIs for client and executive access.
- Used async, threading, and caching for better performance.
- Developed live crypto trade charts with Binance API and WebSocket (Node.js).
- Automated data extraction and routine tasks on Linux/Windows.
- Monitored crypto markets 24/7 and reported bot/system errors to senior staff.
- Fine-tuned vision models to predict 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 Voice Cloning and TTS into the API using FastAPI in the backend, along with a 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

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
  +63 995 054 0188

PROJECTS & PORTFOLIO WEBSITE LINK

Financial Dashboard Monitoring – GITHUB
-Tracks historical and real-time PnL, drawdown, and other financial metrics with date filtering using Django.

Live Trade Plotting (Binance) – GITHUB
-Plots real-time open positions and stop losses from Binance WebSocket data.

AI Chart Prediction Tool – LINK
-Detects candlestick patterns and generates Buy/Sell signals using YOLO.

Telegram Bot for AI Crypto Signals – LINK
-Sends AI-generated trade alerts using Telepot with real-time integration.

Fintech Bot (Telegram) – TELEGRAM LINK
-Sends real-time and historical account PnL summaries with plots via Telegram using a backend server.

QR-Based Attendance System Web-App – (GITHUB)
-Logs attendance via QR scans with real-time updates (FastAPI + Database).

Robotic Hand Control (CV) – (LINK)
Controls a robotic hand using gesture recognition via YOLO.

Voice Cloning & TTS App – (GITHUB)
-Real-time speech synthesis using Bark TTS and RVC models.

Smart Robot Cane (CV) – GITHUB
-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.

Jonathan E. Garcia

Signature of Applicant