JONATHAN GARCIA

BACHELOR'S OF SCIENCE IN COMPUTER ENGINEERING

CONTACT

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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
  +63 995 054 0188

PROJECTS

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 – 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
-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