NAN HPAUYU

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PYTHON DEVELOPER

Motivated software developer with 3 years of experience developing and maintaining enterprise applications in the IT, Blockchain, and Ecommerce industries. Experienced in building projects from scratch and adding new efficient features for legacy ones. Skilled in working with Python, Django, Web Scraping and RESTful APIs.

● SOLID Principles ● Object Oriented Programming (OOP) ● Python Testing Framework ● Test Driven Development
● Team Collaboration ● Time Management ● Application Programming Interface (API) ● Code Version Control
● Web Applications ● Problem Solving ● Data Structures ● Database Management

Languages: Python
Web: HTML, CSS, JavaScript, Bootstrap, React
Web Services: REST
Web/App Servers: N/A
Frameworks: Django, Flask, Selenium
Databases: MySQL, SQlite
Design Patterns: Decorator Pattern, Observer Pattern, Adapter Pattern, State Pattern, Singleton Pattern, Factory Pattern
Tools: VS Code, Pycharm, IntelliJ, pytest, pip, venv, Git, GitHub, MySQL Workbench, Postman
Platforms: Window, Linux

PROFESSIONAL EXPERIENCE

CAREER NOTE: *Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment).*

MYITSONE, Myitkyina, Myanmar ● 11/2023 – 03/2024
A retail company.

Python Developer
Build Ecommerce Service
- Developed and optimized high-performance web applications with Django, delivering scalable solutions that consistently met or exceeded client requirements and project goals.
- Implemented RESTful APIs with Django Rest Framework (DRF) to enable seamless frontend-backend communication and third-party integrations, enhancing data processing efficiency and application performance.
- Engineered the backend logic for checkout calculations and data retrieval system, which increased the accuracy of billing and improved processing speed, leading to a smoother user experience and reduced checkout time.
- Designed a RESTful API for retrieving the product list, which increased data retrieval efficiency and improved load times by 25%, enhancing the overall user experience.
- Implemented comprehensive unit, integration, and end-to-end tests using Django's testing framework and pytest to validate core functionalities, ensure code reliability, and identify bugs early in the development process.

Technologies Used: *Python, Django, REST API, SQL.*

AUTOCRYPTO MYANMAR, Myitkyina, Myanmar ● 06/2022 – 10/2023
A blockchain and crypto company.

Python Backend Developer
Build market data for customers
- Fetched market data using Python libraries like BeautifulSoup and Selenium to provide real-time data to customers, enhancing decision-making speed and accuracy by ensuring access to the latest market trends.
- Provided APIs for front-end developers, enabling smooth data flow and impacting the overall user experience by reducing load times and improving application responsiveness.
- Developed processes to extract and clean data from web scraping, then used NumPy and Pandas to analyze and transform it into computable formats, enabling deeper insights and supporting data-driven decision-making.
- Created a data pipeline to fetch real-time data from webhooks provided by major marketplaces like Binance.com and CoinMarketCap.com, processing and storing the data for analytics and enabling up-to-date insights for users.

Technologies Used: *Python, numpy, pandas, Talib, requests, Beautifulsoup, SQL, Flask, websocket, selenium.*

FREELANCE EXPERIENCE

Freelancer Python Developer ● 03/2020 – 11/2022
ChatBot Project (08/2022 – 11/2022)
- Designed and implemented a robust automation program using Python, WebSockets, BeautifulSoup, and Requests.
- Developed auto-reply functionality for customer chat interactions.
- Built and maintained a SQLite database for efficient data storage and retrieval.
- Integrated and managed connections with social media APIs (Messenger, WhatsApp, Telegram, Instagram) for seamless data exchange.
- Deployed and hosted the application on AWS for scalable cloud operations.

Blockchain Project (03/2020 – 12/2021)
- Developed a trading signal application using Python, WebSocket, NumPy, Pandas, TA-Lib, Requests, and BeautifulSoup.
- Integrated with the Binance API to retrieve real-time market data and trading information.
- Implemented a Telegram chatbot to deliver trade updates and insights to clients.
- Built a web-based user interface using Flask for seamless user interaction.

Technologies Used: Python, Requests, Websockets, Beautifulsoup, Graph API

ACADEMIC PROJECTS

Maharishi International University (2024)
- **Library System:** Create the first iteration of a system that a librarian can use to check out books for library members, and that an administrator can use to add new books to the collection, create new library members, and edit library member information. Utilized Java, JavaSwing.

- **Web Application:** Develop a movie web application that offers categorized movie lists by genre and allows users to search for movies by genre or title. The app should include user authentication features, enabling users to sign up, log in, and manage their personal accounts. Users should also be able to add movies to a personal favorites list, as well as edit their profile information—such as updating their name, changing their password, and managing their favorite movies by adding or removing titles. Utilized JavaScript, HTML, CSS, React.js, Node.js.

- **Banking System:** Develop a core banking system framework that integrates both credit card and banking functionalities, leveraging design patterns such as Singleton, Strategy, and others to ensure scalability, flexibility, and efficient management of resources. Utilized Java, JavaSwing.

PERSONAL PROJECTS

Weather App 2023: Build a simple weather app that fetches data from the OpenWeather API and displays the weather information for the searched city on the main interface. Utilized Python, HTML, CSS, JavaScript.

Ecommerce Website 2023: Develop Ecommerce website with Django backend and React frontend. Utilized Python, Django, HTML, CSS, JavaScript, React.

EDUCATION

Master of Science in Computer Science
(In progress via distance education; expected completion 12/2026)
Maharishi International University, Fairfield, Iowa

Key Courses: Web Programming, Advanced Software Development, Cloud Computing, Algorithms

Bachelor of Medicine, Bachelor of Surgery
University of Medicine, Magway, Magway (06/2017)