Wesley Leck

 Wesley Github   Harrisonville, MO. US   wesleyleck2@gmail.com

Work Experience

Senior Backend Consultant

MacKinney Systems   **USA**   📅**Octo.2022 – Nov.2024**

- Led the development of 4 AI Call Agent Projects and an investment analytics platform for long term investors managing complex data workflows for systems handling over 100,000 requests daily utilizing openai, RAG, Twilio API, elasticsearch.
- Implemented asynchronous task processing to streamline data retrieval and processing from 3+ financial data sources.
- Developed and launched over 10 robust applications to support real-time analytics in high-traffic environments and conducted unit and integration testing to identify and fix bugs, improving application reliability and user experience.
- Collaborated with 2 QA team members to ensure the application met functional and performance requirements.

Back-end Developer

HCPS   **USA**   📅 **May. 2020 – Sept.2022**

- Played a key role in leveraging Elasticsearch to automate the generation of EHR documents based on the HL7 protocol, streamlining medical data processing for over 10,000 patient records.
- Built the frontend using Vue.js and the backend with Django, Flask, fastapi integrating PostgreSQL for structured data and MongoDB for EHR storage improving data retrieval times by 40%.
- Deployed advanced search and analytics capabilities through Elasticsearch and Kibana, providing actionable insights and improving the management of 1000, 000 HER documents.

DevOps/Fullstack Engineer

Sigma IT Corp   **Vietnam**   📅 **Oct.2014 – May.2020**

- Developed and launched over 10 robust RESTful APIs to support real time analytics in high-traffic environments.
- Utilized asyncio and aiohttp to handle real-time and asynchronous operations efficiently, enhancing the performance by 35%.

Back-End Software Design Intern

Codefeature Software Group   **Vietnam**   📅**Mar.2012 – Sep.2014**

- Assisted in deploying 3 applications to cloud platform (AWS, GCP, Azure) gaining experience with CI/CD pipelines.
- Collaborated with 10 team members to optimize algorithms using Python, opencv, scikit-learn, scikit-image.

Education

Grantham University

Bachelor's degree, Computer science, 2008-2010

SUMMARY

While hiking through challenging trails, I contemplated quitting more times than I can count.
Yet, faced with high winds and fatigue, I persevered, reminding myself that determination is key.
This mindset fuels my work as a Backend Developer, where I tackle complex challenges with resilience.
Specializing in Python (Flask, Django, FastAPI) and Java (Spring Boot), I create robust backend solutions for the financial analytics and healthcare industries.
Additionally, I have a strong focus on AI, NLP, AI call agent systems, and VoIP, where I leverage cutting-edge technologies to enhance user experiences and streamline operations.

KEY ACHIEVEMENTS

💎 **Data Retrieval Improvement**
Enhanced data retrieval times by 40% with VectorDB, MongoDB and PostgreSQL integration.

💎 **Deployment Speed Increase**
Boosted deployment speed by 50% using Docker containerization.

💎 **DB Load Reduction**
Achieved a 30% database load reduction through Redis integration.

💎 **System Uptime Assurance**
Ensured 99.9% system uptime with AWS deployment strategy.

SKILLS

Experienced Industry: AI Call Agent, Generative AI, Financial Analytics, Healthcare

Program Languages: Java, python, Go, c, javascript, nodejs

Backend Frameworks: Django, Flask, fastapi, Spring boot, Hibernate, Anchor, Express.js

Frontend: React, Next.js, Vue.js, Angular.js

Devops: AWS, Microsoft azure, GCP, cpannel, squarespace, namespace

Version control: Github

Big Data: ElasticSerach, kibana

Database: Postgresql, mongodb, mysql, Firebase, Apache Cassandra, Oracle

Project Management: Trello, Jira