

Wesley, Leck

Backend Developer

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📍 Harrisonville, Missouri

🐙 [GitHub](#)

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 when I tackle complex challenges with resilience. Specializing in Java (Spring Boot) and Python (Flask, Django), I created 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

- Led a team to develop an investment platform handling 100,000 daily requests.
- Enhanced application performance by 35% using Celery for real-time operations.
- Implemented Redis to reduce database load by 30%, enhancing efficiency.
- Optimized EHR processing for over 10,000 patient records which improved data retrieval times by 40%.

Experience

MacKinney Systems | Backend Developer

09/2022-11/2024

- 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 ChatGPT, 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 RESTful APIs 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.

HCPS | Backend Developer

05/2020 – 09/2022

- 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 Spring Boot and Struts, integrating PostgreSQL for structured data and MongoDB for EHR storage, which improved 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 EHR documents.

Sigma IT Corp | Full-stack Developer

10/2014 – 05/2020

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

Codefeature Software Group | Backend Developer Intern

09/2011 – 02/2012

- 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, 2008-2011

Skills

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

Program Languages: Java, Python, Rust, C, Node.js, TypeScript, JavaScript

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

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

DevOps: AWS, Microsoft Azure, GCP, Docker

Version control: GitHub

Database: PostgreSQL, MongoDB, MySQL, Firebase, Apache Cassandra, Oracle

Project Management: Trello, Jira

Languages

English

Fluent