Leonard Mensah Boante

Email: leomensah.main@gmail.com | Linkedin: @leonard-mensah | Mobile: +233530033427 | Github: https://github.com/leomensah

EXPERIENCE

Full Stack Engineer | AAMUSTED | Python | Django | MySQL | Node.js | MongoDb   July 2019 - August 2020
- Refactoring an old code base from PHP to modern technologies like Django and MongoDB.
- Assisted in developing a new fast and efficient Student Application System.
  using cutting edge technologies like React, MongodB, and Nodejs.
- Research and worked with the HR team to design a prototype for the HR team for the school.

Backend Engineer | Python | Django   September 2020 - October 2022
- ❖ Lead the backend team that builds and maintains APIs for integration with other systems and for use by front-end developers.
- ❖ Developing and maintaining database systems, including data modeling, data access, and data security.
- ❖ Ensuring the performance and availability of the ERP system through monitoring, tuning, and optimization efforts.
- ❖ Participating in code reviews and providing guidance to other team members.

PROJECTS

STUDENT'S APPLICATION SYSTEM | Nodejs | Expressjs | Redux | React | MongoDb
- ❖ I used the JavaScript server side framework Node.js to build an API that takes in students information from a Frontend application passed into a MongoDB database.
- ❖ I used Express.js to handle different routes in the API for easy integration of the Node.js server and the MongoDB database.
- ❖ I also utilized Git for contributing with frontend developers and ensuring the API was able to handle all the request and response from the client (Frontend).
- ❖ I used postman for testing the API to ensure it's reliability and has no performance issues.
- ❖ Collaborating with other team members, including frontend developers, admission committee to ensure that the API meets the needs of the overall project.
- ❖ Maintaining and updating the API as the project evolves, including fixing bugs, adding new features, and optimizing performance.
- ❖ I collaborated with my team using the Trello software.

HR MANAGEMENT SOFTWARE | Django | PostgreSQL | Python
- ❖ I lead a three man team of backend engineers in my company that built an HR software for the HR department using the python framework Django and PostgreSql database.
- ❖ I was responsible for designing the database, thus the relationship between staff members, the HR departments and their respective salaries.
- ❖ I also built the API in Django that was able to perform all the CRUD operations from the database to the client and vice versa.
- ❖ To test the reliability and the performance of the API, I used Postman for the testing of the API.
- ❖ I implemented a payroll feature that allows employees to print their payrolls for a specific period. The HR management also used this feature to keep records of employees salaries and other benefits.
- ❖ I used Git version control to save my codes and also share them with my peers.
- ❖ I worked using Jira software to raise tickets and also worked on my ticket with my team for a successful and easy flow of the application.
- ❖ Maintaining and updating the API as the project evolves, including fixing bugs, adding new features, and optimizing performance.

ELECTRONIC VOTING SYSTEM | Django, PostgreSQL

- ❖ Voting system to help a local school group called AAMUSTED to vote for their leaders.
- ❖ System allows administrators to add the different portfolios.
- ❖ System allows administrators to add names to the portfolios.
- ❖ System generates a token and sends a message to the eligible voters.
- ❖ A voter can sign in and vote.
- ❖ Admin is able to see the score from a dashboard.

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, C++, JAVA, PHP
Databases: MySQL, PostgreSQL, SQLite, MongoDB
Frameworks: Nodejs, TensorFlow, Pytorch, React, Django, Flask, OpenCV
Other Tools: Linux (Ubuntu), Git, AWS, Docker, Cypress, Selenium

EDUCATION

University of Ghana – Legon   Jan, 2020 – Nov, 2022
Master of Science (MSc.) in Computer Science, focus on (AI/ML)
Relevant Coursework: Data Structures and Algorithms, Database Systems, Software Engineering, Distributed Systems

University of Mines and Technology, Tarkwa - Ghana   Sep, 2015 – July, 2019
Bachelor of Science (BSc.) in Mathematics
Relevant coursework: Discrete Mathematics, Probability and Statistics, Object-Oriented Programming with C++.