

ELIJAH AYANLERE

SOFTWARE ENGINEER | DATA SCIENTIST

Oyo State, Nigeria

Email: develijah3@gmail.com

Phone: +234 904 534 8114

LinkedIn: linkedin.com/in/elijahayanlere

GitHub: github.com/Elijah-Ayanlere

Portfolio: www.develijah.com.ng

SUMMARY

Skilled Software Engineer and Data Scientist with expertise in web development, AI, machine learning, and data analysis. With over 3 years of experience, I have a proven track record of building AI-powered applications, full-stack web solutions, and automation tools to improve business efficiency. Proficient in HTML, Tailwind CSS, JavaScript, Vue.js, Express.js, Node.js, SQL, NoSQL (MongoDB), and Python. Strong background in data science and machine learning, using NumPy, Pandas, Matplotlib, Seaborn, OpenCV, TensorFlow, Scikit-learn, and PyTorch to analyze and model data. Passionate about solving real-world problems and delivering innovative tech solutions.

TECHNICAL SKILLS

Frontend Development: HTML, Tailwind CSS, JavaScript, Vue.js	Programming & Scripting: Python, IPython, JavaScript	Cloud & Automation: Cloud Computing, Workflow Automation
Backend Development: Node.js, Express.js, Django	Data Science & Machine Learning: NumPy, Pandas, Matplotlib, Seaborn, OpenCV, TensorFlow, Scikit-learn, PyTorch	Other Technologies: Web Scraping, Data Engineering, Business Intelligence
Databases: SQL, NoSQL (MongoDB)		

PROFESSIONAL EXPERIENCE

- Head of Software Engineering and Data Science, iTech Team

June 2023 - Present

 - Leading software development and data science initiatives, overseeing the design and implementation of AI-powered solutions.
 - Building and maintaining web applications, focusing on delivering scalable and efficient systems.
 - Driving data analysis efforts to generate insights and improve business processes, optimizing workflows, and automating tasks.
- Software Engineer & Data Scientist, iTech Team

June 2023 - Present

 - Developed and deployed full-stack applications, ensuring performance, security, and user-friendly interfaces.
 - Applied machine learning and AI models to solve real-world business problems and improve decision-making.
 - Collaborated with cross-functional teams to build solutions that enhance operational efficiency and data-driven insights.

iTech Team Website Revamp

Oct 2024 - Dec 2024

- Revamped the iTech Team website (www.itechteam.org), modernizing its design and improving user interface, resulting in a 20-30% increase in website traffic and enhanced user engagement.
- Focused on enhancing responsiveness, optimizing performance, and aligning the site with the evolving brand.
- Streamlined navigation, improving user experience across all devices.
- The revamp resulted in increased traffic and overall performance, making the site more user-friendly and efficient.
- Utilized HTML, Tailwind, JavaScript, Node.js, Express, and MongoDB.

Heart Attack Analysis & Prediction

June 2024

- Conducted an in-depth analysis of a heart attack dataset, applying data cleaning, descriptive statistics, and advanced visualizations to uncover patterns that predict heart attack occurrences.
- Utilized Python, NumPy, Pandas, Matplotlib, and Seaborn for data preprocessing, statistical analysis, and data visualization.
- Focused on key features such as age, cholesterol levels, blood pressure, and heart rate to determine correlations and insights regarding heart health.
- Created various visualizations, including age distribution, heart attack occurrence, chest pain type distribution, and correlation matrix, among others.
- The project helped to better understand factors contributing to heart attacks, providing valuable insights for further predictive modeling and healthcare applications.
- Project link - <https://github.com/Elijah-Ayanlere/Heart-Attack-Analysis-Prediction>

Predictive Maintenance Software (Client Project)

May 2024 - June 2024

- Developed a predictive maintenance software for a client, which utilized machine learning to reduce equipment downtime and prevent system failures.
- Built the backend using Python and Django, integrating predictive models into the application.
- Utilized RandomForestRegressor from scikit-learn for building predictive models, and LabelEncoder for data preprocessing.
- Trained models using historical data and leveraged tools like joblib for model serialization and saving.
- Incorporated Chart.js to visualize maintenance predictions and trends through dynamic charts.
- Populated the SQL database using Django models to simulate real-world sensor data, generating random timestamps and values for temperature, pressure, vibration, and energy consumption using custom functions.
- The software helped predict maintenance needs, improving system reliability and reducing unplanned maintenance costs.

EDUCATION

Software Engineering & Data Science (Focus on AI Engineering)

Mar 2022 - Jun 2024

- Soft Quest Incorporated (SQI) College of ICT, Ogbomoso, Oyo State, Nigeria

COMMUNITY INVOLVEMENT

Google Developer Groups (GDG) Ogbomosho | Volunteer, Participant & Active Member

- Hackathon Participant (November 30, 2023): Collaborated with a team to build a video calling app similar to Google Meet during a hackathon organized by GDG Ogbomosho.
 - Developed the app using WebRTC for real-time communication and Node.js for backend functionality.
 - Designed a user-friendly interface with React.js and Tailwind CSS, ensuring seamless video and audio streaming.
 - Although we didn't win, the experience enhanced my problem-solving, teamwork, and time-management skills while exposing me to new technologies and methodologies.
- Workshop Attendee (December 1, 2023): Attended a workshop during DevFest Ogbomosho 2023, learning about emerging technologies and best practices in software development and data science.
- DevFest Ogbomosho 2023 (Attendee): Participated in DevFest Ogbomosho 2023, engaging with industry experts and gaining insights into the latest trends in technology.
- Build with AI (May 3rd, 2024): Participated in AI-focused workshops, gaining hands-on experience with AI tools, frameworks (TensorFlow, PyTorch), and Large Language Models (LLMs). Collaborated with peers on AI projects and deepened my understanding of machine learning applications.
- Google I/O Extended (July 27th, 2024): Volunteered as part of the Technical Team, ensuring smooth event execution and providing technical support to attendees. Improved problem-solving skills and gained experience in managing technical setups for large-scale events.
- DevFest Ogbomosho (November 30, 2024): Volunteered as an Usher, assisting with event logistics and attendee coordination. Developed strong organizational and communication skills while ensuring a positive experience for participants.
- Tech Fiesta (May 4, 2024): Volunteered with the Technical Team - Media, managing media equipment and ensuring high-quality event coverage. Gained experience in media production and teamwork, contributing to the success of the event.

Google Developer Groups (GDG) Ilorin | Attendee & Member

- Build with AI (Attendee): Attended AI workshops at GDG on Campus University of Ilorin (April 2024) and GDG on Campus Kwara State Polytechnic (April 2024). Collaborated with peers on AI projects and deepened my knowledge of AI applications, including Large Language Models (LLMs).
- DevFest Ilorin (Attendee): Participated in GDG Ilorin DevFest (October 2024), engaging with the latest trends in technology and networking with industry professionals. Gained insights into emerging technologies and their practical applications.

Postman Lautech - API Fundamentals | August 10, 2024

- Completed a comprehensive training on API fundamentals using Postman, learning how to design, test, and document APIs effectively. Gained hands-on experience in API development and integration, enhancing my backend development skills.

ADDITIONAL INFORMATION

- **Languages:** Yoruba, English
- **Certifications:** Professional Diploma Certificate (PDC).