

Ralph Molu

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Mechanical Engineer transitioning to software development with a strong focus on functional programming and open-source projects. Proficient in leveraging problem-solving skills and a passion for technology to develop innovative solutions in collaborative environments.

PROFESSIONAL EXPERIENCE

GE Vernova – Steam Power

June 2021 – Present

Mechanical Field Engineer

- Spearhead the maintenance of steam turbines including the integration of software solutions to enhance the monitoring and control of industrial power generation equipment.
- Employ technical skills in troubleshooting, project management, and data analysis, significantly improving operational efficiency and safety compliance.
- Lead diverse teams, ensuring the quality delivery of projects with a strong emphasis on safety and customer satisfaction.

Global Aviation Helicopter LLC, Norcross, GA

Sep. 2019 – Jun 2021

Inside Sales Representative

- Managed extensive customer interactions to locate aircraft rotatable parts, ensuring timely and accurate delivery, which enhanced customer satisfaction and loyalty.
- Utilized CRM software to track customer interactions and sales progress, streamlining communication and improving data accuracy.
- Fostered relationships with clients through proactive customer service and follow-up, leading to increased sales and repeat business.

EDUCATION

Kennesaw State University, Kennesaw, GA

Expected Graduation: July 2024

Master of Science in Software Engineering

- **Concentrations:** Software Architecture, Requirements Engineering, Software Project Management.
- **Projects:** Architectural design of a Hotel Application, Finance Tracker Application utilizing emerging software processes and functional programming principles.

Kennesaw State University, Kennesaw, GA

Dec 2022

Graduate Certificate: Software Engineering Foundations

- **Coursework:** Java, Data Structures & Algorithms, Foundations of Database & Web Development (HTML, CSS, JavaScript, jQuery).

Kennesaw State University, Kennesaw, GA

July 2021

Bachelor of Science, Mechanical Engineering

SOFTWARE PROJECTS (More on [My GitHub](#))

[Exercise Buddy](#)

- A web application that customizes exercise plans using front-end technologies and API integrations.

[Refreshing Web Presence](#)

- Led the overhaul of a client's website using WordPress, focusing on SEO and responsiveness to enhance customer traffic. Successfully implemented a new online store, improving client engagement and sales.

[3D Pac-Man Revamp](#)

- In a university project, revamped the classic game Pac-Man using Unity and C#, transforming it into a 3D experience to enhance gameplay and visual appeal.

[Database Employee Manager](#)

- A Node.js and MySQL-based command-line tool for managing employee data, demonstrating proficiency in back-end

development

LICENSES & CERTIFICATES

Scrum Alliance

Certified ScrumMaster® (CSM®)

Oct 2023

SKILLS AND SOFTWARE

- **Languages:** Java, HTML, CSS, JavaScript, Python (Basic), SQL
- **Technologies:** Linux, Windows, Ubuntu, Linux Administration, Node.js, MySQL, jQuery
- **Skills:** Bilingual – English and French, Project Management, Functional Programming, Open-Source Contributions, Troubleshooting, Business Development, Customer Service.