John Samuel

Software Developer and Senior Mechanical Engineer

Summary

I am a versatile professional with a unique blend of expertise in software development and mechanical engineering. With a passion for technology and innovation, I have successfully bridged the gap between these two domains, making me a valuable asset in both software and mechanical engineering projects. My skill set encompasses a wide range of technologies and tools, making me a well-rounded contributor to any team

Experience

Software Development Skills:

- **_Frontend Technologies_**: Proficient in React, JavaScript, HTML, CSS, and Bootstrap to create responsive and user-friendly web applications.
- **_UI/UX Design_**: Skilled in using Tailwind CSS and Material-UI (MUI) to design visually appealing and intuitive user interfaces.
- **_RESTful API Development_**: Experienced in designing and implementing RESTful APIs for seamless communication between frontend and backend systems using several databases like Mongo DB .
- **_Backend Technologies_**: Proficient in Node.js and Express.js to develop robust server-side applications and APIs.
- **_Version Control_**: Familiar with Git and GitHub for efficient code collaboration and version control.

Senior Mechanical Engineering Student:

- **_Senior Mechanical Engineer_**: Proven track record in leading and managing complex mechanical engineering projects from concept to completion.
- **_CAD Software_**: Proficient in using CAD software (e.g., AutoCAD, SolidWorks) for 3D modeling and product design.
- **_Simulation Tools_**: Skilled in utilizing simulation software (e.g., ANSYS) to analyze and optimize mechanical systems.
- **_Material Selection_**: Expertise in selecting appropriate materials for mechanical components based on performance requirements.
- **_Project Management_**: Adept at project management, including budgeting, resource allocation, and timeline management.

Contact

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Skills

- React JS
- JavaScript
- Bootstrap
- Tailwind
- Material-UI
- Restful APIs
- Node JS
- Mongo DB
- Python
- Express
- Git
- GitHub
- AutoCAD
- Inventor
- Solid Works
- Ansys
- Word
- PowerPoint
- Excel

Education

CURRENT
SENIOR II POWER MECHANICAL ENGINEER STUDENT, (ASU) AIN SHAMS UNIVERSITY
My current GPA is 3.00

2018-2019
HIGH SCHOOL GRAD, (SFLS) SAINT FATIMA LANGUAGE SCHOOL
Score: 98.2%

Certifications

CHALLENGER FRONT END DEVELOPMENT, UDACITY

PROFESSIONAL FRONT END DEVELOPMENT, UDACITY

ENGLISH CONVERSATION, AUC (AMERICAN UNIVERSITY IN EGYPT)

My Work

I have a strong portfolio of projects that showcase my expertise in both software development and mechanical engineering. You can view my work and explore the projects I've completed by visiting my portfolio on Contra.

John Samuel on Contra | Software and Web Developer