Amir Joseph Mohamed

Software developer

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Highly motivated Software Developer with 4 years of experience in software innovation for high-growth and startup organizations. Proficient in various programming languages, including Python, JavaScript, React, and AWS. Currently expanding skills in professional coding. Experienced in front-end and back-end development and Agile methodologies.

Areas of Expertise

- JavaScript
- HTML
- CSS
- React
- Python
- Rest API
- MongoDB

- Gitlab/GitHub
- MySQL
- Node.js
- Test and debug
- Interpersonal skills
- Express.js
- Jquery

- UX/UI design
- Project Planning
- Object Oriented Programming
- Responsive Web design
- GraphQL
- Bootstrap
- Material UI

Professional Experience

Schneider Electric, Nashville, TN 2023
Inside sales engineer

- Selling Transfer switches such as ATS (automatic Transfer Switch), NTS (Non-automatic Transfer Switch), MTS (Manual Transfer Switch), and MTQ (Manual Transfer Switches with quick connect).
- Educating clients with informational presentations on products and electrical knowledge.
- Learning the process of engineering sales for electrical equipment and undergoing a technical training curriculum that improves my sales mentality.
- Communicating and sending out quotes to customers, making sure all products are placed for order.
- Reading specs, one lines and risers, indicating what products best fit the project at hand.

MED-STAT, New York, NY 2022
Biomedical Engineer

- Working with various clients, installing, maintaining, and providing technical support for biomedical equipment
- Testing equipment, devices, computer systems, and software systems.
- Coordinating with supervisors and reporting any faults/failures to devices.
- Preforming safety Inspections on medical equipments, and pass or failing equipments.
- Applying independent research and studies.
- Analyzing failures, corrective and preventive maintenance actions to respond to customer complaints.
- Demonstrating and explaining correct operation of equipment to medical personnel.
- Working with cross-functional teams to complete engineering tasks given.

Lasalle Trading, Bronx, NY 2018
Asst. Engineering manager (HVAC).

- Held full accountability for identifying and exploring leakages in welded pipes. Oversaw ice cream freezers and replaced various important parts, including fans, compressors, and electrical components. Recognized and minimized maintenance risks on equipment as well as oversaw cleaning, adjusting, and repairing of systems in a timely manner.
- Worked with the head engineer and others to Install a condensing unit by Kramer (hot gas bypass system).
- Designed and built a 300 sq.ft walk in freezer with the other engineers.
- Ensured ice cream manufacturing machine to be running properly for production.
- Successfully developed and retained freezer equipment while coordinating with the head engineer.
- Ensured accurate diagnosis and swift resolution of complex electrical and mechanical issues for HVAC systems.

Additional Experience

Team Leader, Robotics Club, Vaughn College, New York, NY 2015
- ♦ Led a team and worked on designing, developing, and programming robots to complete tasks in vexRobotics games.

VCAT soccer league
- ♦ Played as a defender for Vaughn college's Soccer team.

Education & Credentials

Full stack software development program 2023

Columbia University, New York, NY

Bachelor of Science in Mechanical Engineering 2020
Vaughn College of Aeronautics & Technology, New York, NY

Key Projects

Weather Dashboard
- ♦ Using Third-party APIs: Built a weather dashboard that will run in the browser and feature dynamically updated HTML and CSS.

Venture Villa
- ♦ This full stack MERN app allows users to register, view vacation villas, and book locations. The app was created with Mongo, Express, React, Node, JWT.

Note taker
- ♦ This application will use an Express.js back end and will save and retrieve note data from a JSON file.

Group Awesome Movie App
- ♦ A movie search application that is also able to check if a selected search result is currently playing in nearby theaters and display its showtimes.

Web API Code Quiz
- ♦ Built a timed coding quiz with multiple-choice questions.

Technical Proficiencies

SolidWorks, CATIA V5, FEA(Finite element analysis), DMU-Kinematics Animation, CAM-Prismatic machining, CNC, AutoCAD, Patran–Nastran, Visual Basics, MATLAB, Maya, RobotC, MS Office (Word, Excel, PowerPoint, Publisher), Assembly-design, Autocad, Hvac, Electrical Components, Repairing, Mechanical, Hvac Systems ,Team Leader, Robotics, Project Planning, Risk Management, Health & Safety, Supervision, 2D sketches, 3D modeling, assembly modeling, drafting, ballon and number generation, applying a bill of materials, surface modeling, wireframe, ASME, 3D Printing, automation, coding.

Language Proficiencies

English: Native language

Spanish: business level comprehension

Arabic: intermediate level comprehension

Japanese: intermediate level comprehension