Position: **IT DEVELOPMENT ENGINEER**
Department: **IT**
Reports to: **IT Development Engineer Supervisor / IT Director**

Job Summary:

The IT Development Engineer is responsible for designing, building, testing, and maintaining software, collaborating with cross-functional teams, maintaining existing software, documenting software design and development, staying up-to-date with emerging trends and technologies, and providing technical support. The role requires a strong understanding of programming languages, development frameworks, and software development methodologies. Overall, you play a critical role in the development and maintenance of software applications or systems for an organization; ensuring that the software meets the needs of ISM, is functional and up-to-date, and runs smoothly.

Qualifications:

- College degree in Computer Science, Information Technology major in application/software development, or related field
- With at least 3 years' experience in web development
- Strong proficiency in front-end web development technologies such as HTML, CSS, JavaScript, and popular front-end frameworks like React and Angular
- Proficiency in back-end web development technologies such as ASP.Net Core, Node.js and Python.
- Proficient in SQL and Stored Procedures such as in SQL Server and other databases such as Oracle, MySQL or MongoDB.
- Experience with design and development of REST API platform
- Experience in creating REST API documentation using Swagger or similar tools desirable
- Experience in creating customized reports using Crystal Reports and/or SQL Server Reporting Services.
- Knowledge with cloud computing platforms such as Azure or Google Cloud
- Understanding of responsive design and mobile-first design principles
- Experience with Scrum and other Agile processes
- Developed and maintained school-based systems is an advantage
- Strong analytical, logical, organizational and problem solving
- Strong written and verbal communication skills to effectively communicate with the team and stakeholders including teachers, administrators and students.
- Ability to work independently, with minimal supervision and can collaborate well with other developers and stakeholders.
- Ability to create a warm, welcoming, friendly work environment.

Key Responsibilities:

- Communicating and coordinating effectively to the IT Development Engineer Supervisor which includes timely and accurate reporting of progress and issues that arise.
- Creating and maintaining applications or software using the required coding languages; which includes developing user-friendly interfaces, ensuring it functions correctly across different browsers and devices.
- Developing software prototypes or proof of concepts to demonstrate new ideas.
- Designing and implementing database systems to store and manage website data; which includes creating and managing databases, developing and implementing data storage solutions, and ensuring data security.

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- Identifying and fixing application issues which includes debugging code, troubleshooting errors, and testing and optimizing website performance.
- Ensuring website security by implementing appropriate security measures, such as SSL certificates, firewalls, and security plugins.
- Creating and maintaining technical documentation including coding standards, database schemas, design documents, user manuals, and other related technical documents that are used to guide the development process.
- Providing technical support to users or clients; which involves responding to support requests, troubleshooting issues, and providing guidance and solutions.
- Staying up-to-date with emerging technologies, tools, and trends. This includes attending industry conferences and events, participating in online forums and communities, and continuing education and training.
- Working closely with other team members, such as project managers, analysts, designers and other developers, to ensure software projects are completed successfully. This involves communicating effectively, collaborating on project plans, and working together to solve problems.
- Fostering and sustaining a community that rejects all forms of discrimination.
- Assisting in developing and maintaining safe spaces for all individuals at ISM.
- Performing all other duties assigned by the IT Development Engineer Supervisor and/or Director of Technology.