
MIT Job Description

Job Title: Application and Database Developer	Position Title:
Reports to: Associate Director of Applications, Data and Project Delivery (ADAPD)	% Effort or Wkly Hrs:
Department: Sloan Technology Services	Prepared by:
Date: 6/15/2018	

Position Overview:

The Application and Database Developer supports the technological offerings at the MIT Sloan School of Management, with opportunities to participate in IT implementation, development and integration projects as programmer and technical architect. The Developer pairs with senior developers and other team members to write, review, and debug code. Additionally, the Developer partners with business users to understand business processes, evangelize solutions, and expand IT operational capabilities.

Part of the Application, Databases and Project Delivery (ADAPD) team, the Developer assists the school and the institute as a whole by providing continuity between business processes and the data, software and platforms that comprise the MIT technology landscape.

Principal Duties and Responsibilities (Essential Functions):**

As an Application and Database Developer, you will:

- Develop, support, and maintain multiple administrative and academic applications hosted on premise as well as in the cloud.
- Build, deploy, and upgrade software.
- Leverage external as well as internal APIs to build software and integrate third-party applications.
- Design and implement front-end web components.
- Extract, load, and manipulate data to provide data exports/reports.
- Author documentation and expand the accumulated knowledge of the school.
- Serve on IT project teams with Sloan and MIT colleagues and meet with business partners and analysts to understand MIT Sloan processes and data.
- Act as technical resource to end users and the Sloan Help Desk to troubleshoot application errors, resolve issues (tickets), and promote best practices.

Supervision Received:

Supervision is provided by the Associate Director of Application, Data and Project Delivery. The Developer also works closely with Senior Developers and the Technical Lead of the ADAPD team.

Supervision Exercised:

No direct reports.

Qualifications & Skills:***REQUIRED:***

- Bachelor's degree in Computer Science, Mathematics, Statistics, or other scientific fields (or equivalent experience).
- Experience with web application infrastructure, from the database level (SQL) through the front-end (JavaScript and JavaScript-based web frameworks).
- Experience working with a relational database environment.
- Ability to collaborate with team members.
- Strong eye for detail and a passion for quickly delivering results.
- Excellent written and verbal communication and time management skills.
- Comfortable working in a highly collaborative, consensus-oriented environment.
- A high degree of professionalism, diplomacy, and sensitivity to the needs of academicians.
- The ability to work well in a diverse, academic setting and be comfortable with the tempo of the academic calendar.

PREFERRED:

List qualifications or skills that would be beneficial to have, but that are not essential to the job.

- Experience working on teams utilizing Agile development methodologies.
- Familiarity with the practices of IT Service Management (ITSM).
- Experience with .NET (C#) development.
- Experience with Microsoft technologies and applications.
- Experience implementing responsive web design.
- Experience with cloud computing platforms (Azure, AWS).
- Experience with network architecture (high availability, load balancing, etc.).
- Experience with IIS web server administration.
- Previous experience in an academic computing environment.

** To comply with regulations by the American with Disabilities Act (ADA), the principal duties in job descriptions must be essential to the job. To identify essential functions, focus on the purpose and the result of the duties rather than the manner in which they are performed. The following definition applies: a job function is essential if removal of that function would fundamentally change the job.