

Senior SOA Design Engineer

Company Description

e2020 is a leading provider of core and elective instruction in both virtual and blended learning environments for students in grades 6–12. One of the first to support the innovative learning models that facilitate individualized learning for students, e2020 has become one of the largest providers of content in support of online, hybrid, and blended learning models, which allow teachers to facilitate learning for all students. The company is on an accelerated growth path and is looking for skilled, enthusiastic, self-motivated individuals to build key competencies across the organization.

Job Description

We require a Senior SOA Design Engineer for a key role in the on-going design and development of e2020's core online learning system. Built on a Microsoft technology stack, the system is a large-scale application with core modules covering areas such as student management, curriculum and assessment delivery, educational content, grade books, online collaboration/messaging and data/reporting.

This is a key development role requiring very strong technical and communications skills. The Senior SOA Design Engineer is responsible for proposing a SOA design approach and technical implementation of this design while collaborating with a variety of other disciplines.

This is a hands-on development role and requires a SOA/EAI and XML development background.

This is an excellent opportunity for an experienced SOA designer to apply SOA principles and patterns to a strategic application and to build valuable education domain knowledge.

Responsibilities

Write, edit, and review interactive online ELA lessons for grades 6–12

Collaborate with outside editorial vendors for lesson development

Align ELA lessons to Common Core and key state standards

Deliver quality editorial components on time

Assure continuity of pedagogy in all ELA courses for Education2020

Team with the production group to create innovative components

Communicate efficiently and effectively with other teams

Develop relationships with educators to provide input on coursework

Requirements

Participate in all phases of development from definition and design through implementation, debugging, testing, and deployment to ensure all work is to the highest standards

Work closely with the Enterprise Architect and Business Analysts to carry out service oriented analysis and design

Define service contract in XSD and WSDL

Implement a solution wide service lifecycle governance strategy

Provision of guidance and support to engineering team in SOA implementation
Qualifications

Experienced SOA designer with broad understanding of all the components of large service oriented architecture

Ideal candidate will have 5 years+ experience in service oriented application development or enterprise application integration

Excellent knowledge of SOA patterns and principles

Strong XSD and WSDL

Knowledge of XML based open standards (e.g. SAML, WS-*) and protocols (e.g. SOAP, REST)

Familiar with message exchange patterns knowledge of business process modelling and related standards

Experience with contract first approach for web service development

Ideal candidate will have 5+ years .Net development experience, has used ASP.Net in previous projects and is experienced in one or more object-oriented programming language such as C#, Visual Basic .Net, Java, or C++

Knowledge of education standards like SIF or IMS is desirable, but not essential

Knowledge of a service repository solution is desirable, but not essential

Has previously worked using an Agile-influenced software development methodologies

Possess excellent communication skills, the drive to succeed and work independently and on a team, with the ability to multi task, and deliver quality results

M.Sc. in Computer Science or B.S. and equivalent experience

Equal Opportunity Employer, M/F/V/D, and a member of E-Verify