

EdLab at Gottesman Libraries envisions, designs, and pilots knowledge projects for a fundamentally different education sector that is attuned to the emerging post-industrial, information-based, globally-connected world. EdLab is organized in small flexible multi-disciplinary teams that collaborate to develop and deliver products and services of distinction.

The Software Architect will design and develop systems and ensure that systems are effectively integrated with current and new applications.

- Analyze system requirements, architect, and implement solutions focused on security, maintainability, scalability and high availability

- Evaluate frameworks, technologies, platforms, and solutions

- Work with team members to troubleshoot bugs and proactively implement sustainable corrective solutions

- Ensure that all systems are working at optimal levels

Qualifications

BS/BA in Computer Science or related degree (e.g., Management Information Systems, Computer Information System) plus a minimum of 3 years of progressive experience; or MS in Computer Science with 2 years of relevant experience in software architecture and development.

Experience with Continuous Integration, Test Driven Development, and Git

Experience with Agile software development practices

Knowledge of Linux and basic shell scripting

Experience and knowledge of web technologies such as HTML5, CSS3, ECMAScript6

Deep knowledge and experience with at least 3 of the following technology areas:

- React, Angular.js, Vue.js, or other modern front-end frameworks

- Swift, Objective-C, React-Native or other mobile development stacks

- Vagrant, Docker, or other virtualization and cloud computing technologies

- PostgreSQL, MySQL, or other relational databases

- Puppet, Chef, Ansible, or other configuration management tools

Experience with React, Node.js, Python, MySql, and open source software preferred. The successful candidate must also bring a demonstrated commitment to education.

Please Provide Salary History and Requirements.

Please submit a resume and cover letter to edlabjobs@tc.columbia.edu if interested.