

Web Developer

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Web Developer I	PN515	Salary Sch: IP, SG 11	EEO Code: 50	FLSA: non-exempt
Web Developer II	PN516	Salary Sch: IP, SG 12	EEO Code: 50	FLSA: non-exempt
Senior Web Developer	PN517	Salary Sch: IP, SG 13	EEO Code: 50	FLSA: non-exempt
Lead Web Developer	PN518	Salary Sch: IP, SG 14	EEO Code: 50	FLSA: non-exempt
Union: P&A Union, Local 1979, UAW				

Basic Purpose:

Positions in the Web Developer family are responsible for the design, integration, and implementation of applications that will be published on the Web. Incumbents assist customers in the definition of user experience and departmental needs to acquire and create Web applications using university-supported technologies. This requires a sound knowledge of front-end and back-end Web components, accessibility requirements, and related optimizations. The focus of work is to implement Web solutions that use appropriate technologies to produce the optimal user experience on any device.

Essential Functions:

The functions within the job family will vary by level and specific assignment but will include the following:

- Works in a collaborative team-oriented environment to design, build, and maintain sophisticated database-driven Internet and Intranet applications.
- Administers multiple production and development Web servers, install software, manage middleware, troubleshoots complex configuration issues, and performs system diagnostics and maintenance activities.
- Assists in the planning for acquisition, installation, and maintenance of new software, web servers, and middleware.
- Writes web applications that retrieve and update information in relational Web centric databases.
- Works with customers to analyze needs and define requirements.
- Keeps up to date on Web technologies as they arise and evaluate them on an as needed basis.

Comments (Level Descriptions):

The Web Developer job family has four levels:

Web Developer I

This level is mainly concerned with maintaining existing websites and functionality using existing tools. Understands the value of the design process and can help create high quality projects driven by purpose and maintainable code. Strong emphases on the ability to create cross browser compatible code to ensure websites are available on the broadest range of devices. The incumbent should possess the ability to checkout and commit code to a source repository. Once a more senior developer approves code, it is the incumbent's responsibility to deploy the code to production.

Web Developer II

In addition to the abilities of a Web Developer I, this level requires the incumbent to have a solid grasp of all aspects of front-end Web development. They are responsible for all front end HTML, CSS, JavaScript, image optimization, semantic data, and accessibility considerations that get published to the end user. Responsible for ensuring websites are usable on any user device. Proficient in emerging

computer technology trends for website development including technologies to build the optimized front-end assets. Strong ability to translate visual design elements from graphic applications into well-structured front-end markup.

Senior Web Developer

In addition to the abilities of a Web Developer II, this level requires the incumbent to have a solid grasp of the relevant Web server technologies. They are responsible for all server side interactions prior to being displayed to the end user. This includes but is not limited to load balancer, Web server, interpretation layer, database layer and associated frameworks. The incumbent is responsible for the creation and maintenance of database driven large-scale Web applications.

Lead Web Developer

In addition to the abilities of a Senior Web Developer, this level is responsible for ensuring multiple Web systems integrate. They have a high level of technical expertise in Web platforms, applications, tools, and methodologies. They are responsible for evaluating, testing and implementing the full stack of Web technologies. Act as the quality assurance role for all less senior developers before code used on production. The incumbent will take a *leadership* role with the team and other developers to ensure oversight, proper training and professional development.

Minimum Qualifications:

- Experience collaborating throughout the entire project cycle, from research, strategy, information architecture, visual design, front-end development and maintenance.
- A solid grasp of modern front-end Web development, such as HTML, CSS and JavaScript and their associated build components.
- A solid grasp of back-end Web development environments, including HTTP, Web servers, load balancers, the interpretation layer, databases and associated Web frameworks.
- Considerable skill in writing web applications that retrieve and update information in relational Web centric databases.
- The ability to clearly communicate to project stakeholders and process feedback internally and externally.
- The ability to troubleshoot website layout and Web application performance issues and resolve issues independently or direct issues to the responsible party.
- Provide direct supervision to internal Web site interns and guidance to unit Web site content authors.
- Ability to work with accuracy and attention to detail to meet deadlines.
- Ability to understand and execute oral and written instructions, policies, and procedures.
- Considerable project management skills, including ability to provide time estimates and prepare accurate records and reports.
- Proficiency in the use of Web applications programming languages, tools, and/or methodologies for developing integrated Web applications typically acquired through formal education or equivalent experience in Web application development.
- Demonstrated ability in analyzing customer requirements and developing basic information systems solutions typically acquired through one to two years of directly related experience in Web application development and support.
- The ability to translate functional requirements into cross-browser Web applications
- Strong understanding of Web technologies and related user device capabilities required to access the Web.
- Strong understanding of test driven development.