

Responsibilities and Job Description

The *Software Developer* is a Systems Atlanta, Inc. (SAI) software development professional who will be instrumental in helping maintain SAI's reputation as the industry leader of Information Display Systems (IDS). As a member of the team developing SAI's latest generation IDS application(s), this person will be responsible for developing advanced application software under the guidance of a senior staff member.

The *Software Developer's* responsibilities include, but are not limited to, the following:

- Modify, develop, write, and implement software applications and solutions.
- Interpret written requirements, design, and technical specification documents.
- Perform coding to written technical specifications.
- Investigate, analyze, and document reported defects.
- Create, document, and implement unit test plans, scripts, and test harnesses.
- Create and maintain technical documentation using defined templates.

Work activities

Working on teams responsible for developing IDS and/or Air Traffic Control (ATC) specific software.

Working both as a member of a team and independently, the successful candidate will be:

- Developing and maintaining a browser-based software application and related software on a Windows and/or Linux platform (primarily Java, JavaScript/jQuery, MongoDB, Angular);
- Optimizing the experience for the flying public, ATC, and the airline industry by improving the collaboration and decision-making capabilities of controllers;
- Performing software development as needed on the assigned internal, commercial, FAA, Department of Defense (DoD) software program(s);
- Coordinating solutions with Systems Engineering;
- Articulating user needs and requirements from high level designs;
- Developing the design for the user interface (UI) framework; and
- Analyzing and designing databases within an application.

Required Qualifications

- Education / Work Experience:
 - BS with 3+ years' verifiable work experience
- Experience with UI / UX development (CSS, HTML, Workflow Design);
- Experience in web development and design using Java & JavaScript/Angular;
- Experience with REST and SOA concepts;
- Experience in object-oriented design and development;
- Experience in following a documented Software Development Process;
- Strong communication skills to interface with internal and external clients;
- Excellent technical communication skills;
- Proficiency with business productivity tools such as Microsoft Office;
- Must be punctual, detail oriented, & professional at all times;
- Not anticipated, but a willingness and ability to travel for official business; and
- Must be a US citizen and be able to pass all appropriate background checks.

Desired Skills

- Development experience using shell scripting;
- Experience in use of the Linux operating system and terminal environment;
- Experience developing applications using Java Messaging Service (JMS);
- Experience using version control tools (e.g., Git);
- Experience working in an Agile SCRUM environment;
- Experience in C++;
- FAA and/or DoD domain knowledge; and/or
- Knowledge of MongoDB.

Work Location

This position requires the *Software Developer* to be on-site during published business hours at SAI headquarters in Kennesaw, Georgia. Remote working is not available for this position.