



Administrative Office of the Courts

Job Description

Job Title:	Full Stack Developer	Grade:	IT07
Division:	Court Information Systems	Revision Date:	December 29, 2020

POSITION SUMMARY:

The AOC Full Stack Developer is responsible for developing frontend and backend applications that support the Arkansas Judiciary. The AOC Full Stack Developer will be part of a cross-functional team that's responsible for the full software development life cycle, from conception to deployment of a court management program. The court management program will be a cloud-based system.

JOB DUTIES:

- Participates in the design and development of scalable software for the Arkansas Judiciary
- Works on an Agile team that employs the Disciplined Agile Methodology
- Designs client-side and server-side architecture
- Develops automated tests on software
- Schedules and conducts automated tests for software
- Responds to issues discovered with software during testing process
- Designs software ensuring that non-functional requirements such as security, performance, maintainability, scalability, usability, and reliability are being considered when architecting solutions
- Develops technical documentation for the solutions being developed.
 - Create, update, and maintain a CRUD Matrix, Data Dictionary and Logical Data Model
 - Create, update, and maintain an Application Interface Matrix, and Application Data Exchange Matrix
- Translates user requirements into overall architecture requirements for the development team
- Other duties as assigned

QUALIFICATIONS:

- **Education/Experience**
 - The formal education of a bachelor's degree in computer science or a related field
 - Two years of relevant development experience.
- **Knowledge, Skills, Abilities**
 - Knowledge of ASP.NET Core and Entity Framework Core frameworks
 - Knowledge of and experience developing with the C# programming language
 - Knowledge of or experience developing solutions in the cloud
 - Knowledge of database systems like MS SQL, MySQL and Oracle and the integration of those databases into the development of system software
 - Ability to create, debug and optimize SQL queries
 - Knowledge of and experience developing with JavaScript, CSS and HTML
 - Knowledge of frameworks like Identity Server
 - Knowledge of and experience working with version control systems like GIT
 - Knowledge of and experience working with the Linux operating system and containers as a system platform
 - Knowledge of and experience with Dev / Ops Deployment systems like Jenkins
 - Ability to develop visually appealing front-end websites including translating mock-ups into front-end code
 - Ability to design and implement automated testing including test driven development
 - Ability to design and develop RESTful web APIs
 - Strong analytical and problem-solving skills
 - Strong interpersonal skills
 - Excellent oral and written communication skills including the ability to communicate effectively with court and non-court, legal and non-legal, technical and non-technical persons

Last Updated By:	Cecil Davis
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