



## Software Developer

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### 1. Introduction

**Designation:** Software Developer

**Employment type:** 1 Year (Contract will be extended or changed to permanent based on the performance)

**Post Type:** Permanent

**Department:** Data & Applications (DA)

**Division:** Operations Division

### 2. Reporting Relationships

The Software Developer will report to the Head, Data & Applications. He/she will also work closely with other members of the DA.

### 3. Scope of Work

- Actively engage in the design and development of software to provide quality, high performance, user-centered, and data-rich applications.
- Develop enhancements to existing software as well as design and develop new software.
- Collaborate in a team environment to share best practices, implement process improvements, and ensure software quality.
- Solve problems and innovate solutions on a daily basis.
- Deliver developed and tested software applications within the given deadlines.

### 4. Qualifications

A Bachelor's Degree or equivalent professional qualification in Software Engineering, Information Technology or Business Information Technology.



## 5. Desired Skills and Work Experience

Experience with back-end development framework and tools

- Minimum 5 years of experience in software development or 3+ years of experience with PHP.
- 2 years hands-on experience with an MVC framework - Laravel (preferred) / Symfony / CakePHP.
- Expert knowledge in databases and data modelling, preferably MS SQL Server, MySQL, PostgreSQL
- Thorough knowledge of software security concepts and performance optimization techniques.
- Experience in containerization tools such as docker (preferred) or Kubernetes
- Experience in unit testing techniques and Continuous Integration

Experience with front-end development, especially with respect to User Interface (UI) Design and User Experience (UX) Design and development

- Strong experience in HTML5/CSS3/SASS/LESS and related front-end frameworks and web design patterns and layouts.
- Strong experience with JavaScript, ES6 or Typescript, JQuery, and familiarity with common JS Libraries and JavaScript code patterns.
- Experience with either VueJS, AngularJs or React Framework.
- Experience with frontend build tools such as gulp, web pack or other nodejs build systems.
- Experience with Responsive Web Design
- Proficient in using cross-browser/ device compatible applications and test them with the related tools
- Knowledge of interaction with RESTful API.
- Experience with mobile application development using react native, ionic, Cordova or native APIs will be an added advantage.

Experience with software engineering in general

- A strong grasp of best practices, OOP, design and analysis patterns, software modelling (UML), testing, documentation, algorithm and data structures, version control using Git or SVN.
- Excellent knowledge of Business Analysis best practices and experience in adapting those to different environments
- Experienced in requirement gathering, documenting and analysis.
- Comfortable both working within an existing code base and hand code from scratch.

## 6. Other Competencies

- Ability to work in teams, and individually with minimum supervision.
- Ability to manage time successfully, prioritize effectively and meet tight deadlines.
- Ability to work effectively under pressure.
- Strong interpersonal, and communication skills.
- Self-starter with a positive "can do" attitude.
- Results driven and pragmatic.
- Ability to take ownership and responsibility for quality.
- Project management skills.
- Ability to work in agile teams.

