



Job Announcement

IT Software Engineer II- PHP Web Developer

The Idaho Lottery is seeking an IT Software Engineer II, Back-End Web Developer, to perform full range of applications design, analysis, and programming functions; to identify and resolve complex operating systems problems. This job family translates business and technical requirements into well-engineered, tested, and deployed business applications. Incumbents interface with customers and other developers to determine the most efficient and cost-effective approach to meet business requirements. Solutions utilize a variety of hardware and software technologies and may include new code, construction, modifications to existing modules, and/or package implementation. Incumbents of this job series develop designs and evaluate and select tools necessary to build and support their systems.

Essential Duties, Responsibilities and Functions

The following duties are normal for this job. These are not exclusive or all-inclusive. Other duties may be required and assigned.

- Works effectively with business partners to understand and explain business and technical issues
- Creates information architecture reports, including site maps, flow charts, and functional and presentation specifications
- Assesses different architectural options and recommends an approach
- Participates in the evaluation and selection of hardware and software product standards and the design of standard configuration, balancing the competing needs of standardization and innovation
- Develops code to add functionality to new or existing systems
- May provide leadership in the design, development, implementation and support of software on an agency-wide level
- Website and Application Management: Our core infrastructure is built on a LAMP stack with custom API connections that serve our many integration points with both internal apps and third-party games.
- Be able to modify and build PHP based RESTful API.
- Design, build, implement and support websites; and maintain web pages for idaholottery.com, vip.idaholottery.com, websites including content development using Search Engine Optimization (SEO) using a variety of platforms and tools
- App development projects and modifications for current apps including the Idaho lottery mobile app, check-a-ticket, myplayslip, Cashword Bonus and other promotional 2nd chance game apps.
- Be proficient in server-side development, management, and optimization of data, including database creation and management and debugging (Our systems are hosted through AWS utilizing both Linux and Microsoft servers to support the current digital ecosystem)
- Integrate data from various back-end services and databases
- Create and maintain software documentation

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- Create user-friendly and intuitive interfaces
- Create and analyze reliable and secure back-end functionality
- Maintain, expand, and scale our website
- Remain knowledgeable of emerging technologies/industry trends and apply them into operations and activities
- Support current infrastructure as well as develop new applications and technologies
- Conducts and manages user acceptance and A/B testing
- Support the development, testing and debugging of software
- Works closely with clients and office staff to design and implement web-based technical solutions
- Coordinates with external contracted companies and site host to ensure the stability of the site
- Works with customer service and IT teams to troubleshoot and resolve site issues
- Meets with supervisor and others to determine web development projects, updates and time schedules
- Additional web-based tasks as needed

Knowledge, Skills & Abilities

Minimum *(The required skills and qualifications needed to perform the job)*

Good knowledge of:

- Software architecture, development, design, and testing practices
- Programming languages, software development tool suites and managing source code
- Experience as a Developer, with demonstrated continual increase in responsibilities.
- Experience managing and developing in a LAMP or LEMP Stack (Linux, Apache/NGINX, MYSQL, PHP) environment.
- Experience with version control software (Git)
- Working knowledge of provisioning infrastructure in AWS or other cloud environments.
- Working knowledge of Docker containers.
- Associate degree or web certifications
- Enterprise Web application development experience

Preferred *(Attributes needed for superior performance, specialty areas)*

- Creating, interpreting and documenting user requirements
- Coding new systems and making code changes to existing production systems
- Testing and deploying production systems
- Experience developing and maintaining a website.
- 3 years of experience as a Developer, with demonstrated continual increase in responsibilities.
- 3 years of experience in PHP application development using a MYSQL database.
- 3 years of experience managing a LAMP or LEMP Stack (Linux, Apache/NGINX, MYSQL, PHP) environment.
- Experience developing web services with Java, specifically using Spring.
- Experience and in-depth knowledge of Docker containers, container management with Docker Compose, and custom Docker image creation.
- Experience with IT processes related to website development
- Experience managing a website and/or web services hosted in a cloud environment.

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- Experience with analytics (Google) reports to measure performance. Analyzing these reports and providing recommendations to marketing team
- Knowledge of (SEO) standards and browser constraints
- RESTful API development skills including using standard frameworks (currently developing using Slim)
- Experience with email marketing tools
- Good knowledge of promotions and marketing concepts

Supplemental Information To be hired candidates:

- **Must successfully pass criminal, credit, and public records background checks conducted by the Idaho Lottery**
- **Must successfully pass pre-employment and random ongoing drug tests**

Benefits:

The State of Idaho offers a robust total compensation package, including medical, vision, and dental insurance; PERSI retirement benefits; paid sick, vacation, and parental leave; and 11 paid holidays per year. For additional information related to benefits and/or State programs, please visit <https://dhr.idaho.gov/StateEmployees/Benefits.html>.*

EEO/ADA/Veteran:

The State of Idaho is committed to providing equal employment opportunities and prohibit discrimination against qualified individuals based on their status as protected veterans or individuals with disabilities and prohibit discrimination against all individuals based on their race, color, religion, political affiliation or belief, sex, national origin, genetics, or any other status protected under applicable federal, state, or local laws.

The State of Idaho is committed to access and reasonable accommodations for individuals with disabilities, auxiliary aids and services are available upon request. If you require an accommodation at any step in our recruitment process, you are encouraged to contact (208) 334-2263 (TTY/TTD: 711), or email ada.coordinator@dhr.idaho.gov.

Preference may be given to veterans who qualify under state and federal laws and regulations.

If you wish to apply, please visit:

<https://statecareers.idaho.gov/jobs/13834434-it-software-engineer-ii-back-end-web-developer>