NGUYỄN VĂN HUYÊN

Web Developer

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SKILLS

HTML5, CSS3, Javascript

Java (Struts)

Tomcat, Apache

Oracle, MySQL

Linux, Windows 7

INTRODUCTION

I'm Nguyễn Văn Huyên, a programmer with 6 years experience coding Java applications. I mostly work with web-based management systems like Human Resource, Payroll Management... These systems are based on Struts 1 framework, Oracle database.

My passion is to create useful, elegant applications that help other people in their work and their life.

I always aware of performance, security, convenience of systems. I think that good design and coding convention are very important. I usually research new technologies, new ideas, new philosophies.

I have a high responsibility with work.

And I love programming too!

EXPERIENCES

Old projects

I graduated from university in 2009, then work for Viettel Software Company until now. I held positions like the coder, business analyst, project manager. Some projects I participated:

- KM: Knowledge Management.
- KPI (Key Performance Indicator): read and report KPI of servers
- QLOTO: car management; you can view current position or track route of a car on Google Map.
- QLSX: Production Management.
- TDKT: Import from and export to Excel file the reward information of employees.
- VHR: Viettel Human Resource.
- VPM: Viettel Payroll Management.
- VPS: Viettel Privilege System.
- Dataroom: manage files of a user by user folders.
- Email: send propaganda email to all employees of Viettel Group.
- iMIP: operates with multi-function printer.
- M2M: manages energy data of a French customer.

Technologies & Skills

We use a framework that based on Struts 1 (customized heavily to meet requirements of projects). The database is mostly Oracle (sometimes MySQL), and we use Hibernate to access it (we seldom use JDBC). We also use jQuery library to write Javascript code. In my opinion, a basic web application includes components like the left diagram (operating system, server, back-end, front-end, storage). For convenient, we use NetBeans IDE

to code. To manage source code, we use StarTeam, SVN, and IBM Rational Jazz. In my spare time, I often research technologies like LESS, Maven, Scala language, Play framework, Node JS,...

The following table shows some technologies that I know:

OS	Linux, Windows
Core	SSH, FTP, Office, Blogger
Source control	SVN, git, Github, StarTeam
IDE	NetBeans, Eclipse, Android Studio, Notepad++, Visual Studio Code
Frontend	HTML5, CSS3, Javascript
CSS preprocessor	LESS
JavaScript framework	jQuery, jQuery UI, D3, Highchart
Task runner	Gulp
Language	Java, Scala, PHP
Web framework	Play, Struts 1, Spring, Spark,
Library	Hibernate, Jsoup, Apache commons, GSON, Email, jxcell, JEP
Unit testing	jUnit
Dependency management	Maven
Database	Oracle, MySQL, MongoDB, Redis, SQLite
Server	Tomcat, Apache
Platform	Node.js (express, socket)
Mobile	Android, jQuery Mobile
Principles	REST, Security, Design pattern, Clean code, KISS

What I choose to focus are:

I spent the last 3 years in working in VPM project. The main problems the project faces is dealing with large data, and the salary formulas are inconsistent (change monthly). To handle these problems, we have following solutions:

- Decompose data into smaller partitions (each month has a partition)
- Use dynamic formulas based on JEP library

As the result, the system becomes an effective tool that is used to calculate monthly salary, bonus, overtime allowance of employees.

With a sensitive system like payroll management, security is very important. The project already fixed some security issues like XSS, CSRF, SQL Injection, Session Fixation...

Whenever have time, I often learn new technologies, or build small personal projects. For example, I built an application to catch URL, batch download from online film and comic websites. Please visit my online portfolio (https://lockex1987.blogspot.com), I have few demos there.

My English reading and listening skills are quite good. However speaking and writing skills is not so good (I am trying to improve them).

Java web programming

I think the web architecture is very good: central, cross-platform, easy to access.

Java is a good language, with strict syntax, compiled (so you can detect error before running), and have a large ecosystem with many open source libraries. However it has disadvantages too, like you have to write long code (boilerplate code). Each language has its unique advantage, its own paradigm. For example, if you want to write a simple private diary website, you should use PHP.

I have experience and knowledge in Java web programming. I want to find a job in that field (but other field is OK too, I'm adaptive ☺).

🎓 EDUCATION

VNU University of Engineering and Technology (2005 – 2009)
Faculty of Information Technology
Grade: Distinction