**Mohammad Afzal**   
+91 7222876247, +91 63503820 | mohammad.afzal.cs@gmail.com

**Summary**

Currently working in **Enbraun. Having 3+ years of experience in full stack development**. Primary programming language is **Java**. Have strong understanding of **Data Structure, Algorithms and Design Patterns**. Have experience in the field of **System Adminstration in linux servers**. I have contributed in key decision making and in the selection of technologies to develop projects in my current organization. I primarily use Ubuntu (a **Linux** distro) for any kind of technical or personal work. Apart from these technical experiences I also have **Recruitment and Training** experience in Java & Web Development. Actively participating in **StackOverflow.com with ~7000 reputation**.

**Skillset**

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| Languages | **Java8, JavaEE(jsp, jsf, servlets), Restful services, Shell Programming,** PHP (5.6), HTML5, Javascript, Typescript, Canvas, CSS3, C++, C, Batch file programming |
| Frameworks / Libraries | **Struts 2.x, Spring**, **AngularJS, jQuery, bootstrap,** Laraval, AngularJS, jQueryUI, Resteasy, SAX (Simple API for XML parsing), JAXB, Apache’s JSON, Google’s apis,GWT |
| Desktop Technologies | **Java Swing**, **RMI**, Full Screen Exclusive mode API, 2D graphics, Sound API |
| Databases | **Postgresql (9.6), MySQL, Mongodb**, sqlite |
| Tools / Servers | **Git, Maven, wildfly, Dreamweaver, Vim, npm,** Node.js, gulp, Apache Tomcat, Netbeans, Eclipse, VirtualBox, Filezilla, Photoshop, Gimp, VS Code |
| Operating Systems | **Ubuntu, Windows,** CentOS, Redhat |
| APIs and Services | **Oauth 2.0, AWS EC2, AWS RDS, Stripe API**, Google’s Map API, Open weather map API , AWS S3 |

**Experience**

* 3 Years experience as a full stack java developer in **Enbraun**
* 1 year as a freelancer

**Project Profile**

1. **eResource Scheduler** :

Enbraun’s eResource Scheduler is a specialised collaborative (multi-user) & configurable web application that lets organisations **schedule, plan and manage employees, equipment and other resources on projects** and day to day activities. All employee and other resource infomation is kept in a central database that allows users to easily search & identify resources spread across offices around the globe and facilitates scheduling and planning them on projects. The user can create calendars, fields of resources, projects, tasks, resource types, bookings on resources etc. A high level of flexibility was provided to have user defined fields for creating resource form, project form or booking form. Booking chart to book resource on project, time sheet, user defined calendar like features are given. It is a web version of e-resourcescheduler desktop application with even more flexibility and features.

**Technologies : Restful services, angularjs, bootstrap, oauth2, aerospike, javaee, wildfly.**

1. **Abho costing sheet :**

It is a Web application to manage costing of a fashion designing industry. Client, fabric used and their costs , clothes category, labor and their costs, dyeing cost, embroideries, overheads (electricity, internet, etc) could be managed with this application. A precise cost of the piece could be obtained at a particular time and of the costume created afterwards. There is User management module, separate screens (navigation templates) provided and user could be authorized to some or all screens. File server is provided with servlets, authorization is managed with servlet filters, and same is used for authorization of restful services.

**Technologies : Restful services, angularjs, bootztrap, servlets, javaee, wildfly**

1. **Notifier** :

This is a web application that can notify user about some task or let him write daily notes. Suppose a user want to get notified every Wednesday to watch a tv serial, or want to get reminded of somebody’s birthday, this could be done by this website. It also provide note writing feature. One can write daily notes every day. A good account management, nice looking notifiers (reminder gadgets), fully featured note writing area, cool self-developed (with jQuery) slider are present in this web application. All the changes done by user will be made on server instantly through ajax.

**Technologies : PHP, HTML, CSS, jQuery, tinyMCE, mysql, apache tomcat**

1. **Image Embedder** :

The purpose of this software (Image Embedder) was to provide user an easy access to basic information like weather forecasting, reminders, events etc as efficiently as possible. The application’s code is manageable and scalable and well documented. Suppose a user has installed this application in his computer, then when he start computer he can see the weather forecasting information in desktop wallpaper as if somebody has changed his wallpaper and edited it so that a cool gadget like faded image could be seen over it. In this software, I have used desktop wallpapers to display some common information to the user. A good level of image editing code was written in this application. **Technologies : Google geocode API, Open Weather API, SAX, Java Swing, JNI, Batch file programming.**

1. **CQuiz | Desktop application :**

A desktop application that I **developed to organize a quiz competition in Graphic era University**. The application have compile/run/save features for c programs. Questions were managed by admins. Provided with a clock showing count down time after which user cannot edit his answers. Have account management for users, could be accessed by 2 passwords (admin’s and user’s), small command line tools to generate passwords and merge data from different computers on which test is taken. Compilation of programs were done using Java Native Interface.

**Technologies : Java Swing, SAX, JNI, C, GCC**

1. **Online Banking System | Swiss bank (In industrial training)** :

Developed it with my team (of 4 members) in struts2 framework. The web application was assumed to be used by bank employees to register user account, register online accounts, to do transactions etc. Then customer can have his own net banking account and he can do transactions himself. This web application was having a **Multilanguage** (English and Spanish) feature, good security is provided by using proper hashing technique with SHA-256, a good self-developed **captcha feature** was also provided.

**Technologies Used : Struts2 with J2EE, Servlets, JSP, JSPX, Image Processing, I18N jstl, mysql, oracle weblogic.**

1. **Password Manager** :

Worth mentioning because it was the first well developed desktop application by me in 1rst year of my btech. Software can store user’s passwords in encrypted form. I **Created my own API** to encrypt and decrypt plain text and a GUI was given to manage those password. Account management module was provided, and user’s account name was used as salt and account’s password as key. I also used the same api in my industrial project to provide security to a web application later. **Technologies : Java Swing, Serialization**

**Education Detail**

* B. Tech in Computer Science and Engineering from Doon Institute of engineering and technology with 66% aggregate.
* Intermediate from Modern School Rishikesh with 86% aggregate.
* High School from Modern School Rishikesh with 71% aggregate.

**Certification**

* HP training certificate in J2EE with Struts Framework (45 days).
* CyberCure Solutions certificate in information security specialization (2 days).

**Achievements**

* Qualified GATE Examination in 2015
* Topped in error rectification competition organized in RBMI college.
* Secured Third position in software development competition organized in RBMI college.
* Designed theme for my college’s website.

**References**

Stackoverflow : <http://stackoverflow.com/users/3626698/afzalex>

Github : <https://github.com/afzalex>

Linkedin : <https://in.linkedin.com/in/afzalex>