Shahab Rooznow

Full-Time Work Permission-No Sponsorship needed   **Java Full-Stack Developer**

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Objective

I am interested in a challenging software/firmware development opportunity in an environment where innovation, education and creativity are valued. I have been passionate about development of robust system infrastructure, with consideration of customer needs, functionality, latest technology and programming standards. I have solid experience in troubleshooting and problem solving. I am a fast learner, a strong team player with excellent social skills to interact with individuals.

Summary

- **3+ years** of software design experience in developing enterprise wide.
- Experience in both **Client Side** and **Server Side** Programming.
- Background in all phases of software engineering including **Analysis, Design, Coding, Testing, and Implementation** as well as **Agile** Software Development using **Jira** and **Github**.
- Experienced in **Object Oriented Concepts, C++** and **Java Programming**.
- Experience with **Spring framework modules;**
  1- **Container** that applies **IOC** (inversion of control) and **Bean container**,
  2- **Context** including **JNDI**, **Validation,**
  3- **AOP** (Aspect oriented programming),
  4- **Data access: JDBC, ORM, DAO** (data access object)**, Transaction,**
  5- **ORM** (object relational model) including **Hibernate** and **JPA,**
  6- **Web MVC** (model view controller) and **REST** (Representational state transfer),
  7- **Test.**
- Experience in handling **Tomcat with Apache Web Server.**
- Familiar with **Java Networking** library, **Java IO**, and **WebSocket**.
- Have experience in **Node.js** backend programming and **Object Oriented JavaScript.**
- Familiar with web services formats **XML** and **JSON.**
- Experience in **Desktop/Mobile** web development using **jQuery/jQuery-mobile API**.
- Front end development skills in **HTML/CSS/JavaScript** and **Bootstrap responsive web design.**
- Deploying and Running JSP (Java server pages).
- Experience in **Android** development using **Android SDK** and **PhoneGap API.**
- Familiar with **data validation API**s.
- Familiar with Java-based enterprise applications development using **Spring Framework.**
- Good Knowledge in **Data Structures, Algorithms.**
- Experience in **Linux/UNIX** and **shell scripting**.
- Having Data modeling experience with **MYSQL/Oracle SQL-Plus** and **Microsoft SQL Server.**
- Having knowledge of **Apache CouchDB NOSQL** database
- Familiar with **Data Warehouse and ETL** (extract, transform, load) **methods** using **Oracle PL*SQL** and **SQL*Plus**.
- Familiar with **Hadoop** components; **HDFS, MapReduce patterns: summarization, Bloom filter, count, join, structured hierarchy,** and **top members.**
- Experimented a project on **machine learning** using **Mahout.**
- Experience in **cloud monitoring** using **Groundwork/Nagios** for monitoring Hosts/services and plugins like **Noma** for alerting, **check_logfiles** for log monitoring and **RRD** graph tools.

Technical Skills

Programming Languages: **C++, Java, JavaScript, PL/SQL**
J2SE Technologies: **Collections, Threads, Applet, Swing, I/O, Java Beans, JDBC, JSON**
Web Servers: **Apache Tomcat, GlassFish**
Source code management (SCM): **GitHub, Bitbucket**
Framework: **Spring, JPA (Hibernate)**
Database: **Oracle, MySQL, NOSQL CouchDB**
Scripting Language: **Linux/Unix Shell Scripting, javaScript**

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Development Tools: **Eclipse, Microsoft Visual studio, X-code, Spring Tool Suite**
Database tools: **MySQL Benchmark Suite, Microsoft SQl Server, Oracle SQL*PLUS**
System monitoring Tools: **Groundwork, Nagios**
Web development tools: **Adobe Dreamweaver, Vusual Studio, Aptana**
Operating Systems: **Windows 7/2000/XP/NT, Mac, Ubuntu, Redhat**

Projects

- Implementing the Geolocation feature of **PhoneGap API** in an attendance checking android application using **android SDK, HTML, Java Script, CSS**.
- Implemented a **Responsive web design** for the front end using **Bootstrap** API.
- Created a multi user (**multi thread)** instant messenger using **JavaScript**, **Java WebSocket**, and **GlassFish** server over **https SSL** encryption between client and server.
- Implemented the **Client side Encryption** in messenger app using **javaScript, jquery,** and **jsencrypt** open source library.
- Implemented **IMAP** and **SMTP** for email service using node.js open source libraries.
- Development of a school portal where users can create an account, register for courses and make other transactions in relation to local MySQL database using **JAVA** and **Spring framework** APIs like **MVC, AOP, DAO, JDBC, Transaction, validation, annotation, XML, Maven, Junit Test.**
- Implementation of **Hadoop mapreduce** techniques like aggregation, top ten, bloom filter, join and job chaining in a single node environment.
- Implementation of an order web application

Training & Publication

- Low Power IC Design Techniques; CEDEC Lab, Emerald Systems, Penang, Malaysia, July 2011
- Mentor Graphics' ASIC Training for CEDEC Silterra 0.13µm & MIMOS 0.35µm Technologies; Emerald Systems, Penang, Malaysia, October 2011
- Rooznow, S., Sohani, V., 2012. Integrate Band-pass Filter Design for 13.56MHz RFID Reader, Journal of Applied Sciences Research, 8(2): 1018-1025

Professional Summary

eGain Sunnyvale, CA   **June 2013-March 2014**
Cloud Engineer Intern
  Involved in Cloud monitoring project to handle product alerts/errors more efficiently for a better troubleshooting through parsing the logs, and a Cloud computing project to analysis services usage.
Responsibilities:
- Writing a **java program** to standardize eGain universal logs to **XML format** and parse them through **regular expression** and using **APIs** for further data correlation and monitoring purpose.
- Designed part of the application using **swings** and **applets.**
- Creating tables and importing application logs data into a **Microsoft SQL relational database** and making **functions and stored procedures** for dynamic license usage reports in cloud environment**.**
- Worked on **JIRA** tool to create and track new project/issue.
- Installing and configuring **GroundWork/Nagios** and its plugins like check_logfiles for log monitoring, alerting and troubleshooting purpose.
- **Extract, Transfer, and Load (ETL)** web-server IIS logs into central database for reporting purpose.

- Worked on **MVC** architecture; Designed custom user interfaces using **JSP** and updated them accordingly.
- Worked on creating **DAO** layers.
- Wrote **shell** scripts necessary for deployment
- Performed unit testing in **JUNIT** test framework.

MIMOS berhad, Malaysia   **September 2011-November 2012**
Design For Testability Engineer
  Worked for hardware Design Company, designing a CPU.
Responsibilities:

- Worked on fixing the bugs.
- Enhanced the **test pattern generation algorithms** written in C++ language.
- Worked in **Redhat (Linux)** environment.
- Involved in **Kernel configuration** and **update**.
- **Handling issues** across threads and deadlocks.
- Wrote **Linux scripts** necessary for deployment simulation tools.
- Created **Transition delay test pattern** for CPU design.
- Implemented **DFT methods** to enhance the scan chain architecture.
- Performed unit testing in **Mentor Graphics Modelsim**.
- Optimized the transition delay test generation using **timing-aware** technics.
- Used **Synopsys Prime Time** tools for timing closure.

National University of Malaysia, Malaysia   **September 2010-November 2012**
Design For Testability Research Assistance
  Worked on delay fault models in Design for Testability
Responsibilities:

- Extensive research on **fault modeling (Stuck-at, Transition, Path Delay, Gate-Exhaustive)**.
- Knowledgeable in **Scan Compression**, **ATPG (Automatic Test Pattern Generation)**, **Fault Simulation** and **At-Speed Testing** for digital circuits.
- Performed timing closure using industry tools, **Synopsys PrimeTime**.
- Wrote **Verilog** code, **RTL-To-Layout Synthesis,** and **Place & Route Flows Test-Bench Generation** and **Simulation**.

Education

- **M.S., Computer Software Engineering**, Northwestern Polytechnic University, Fremont, CA, US 2012-expected summer 2014
- **Research Assistant, DFT & ATPG Methods**, National University of Malaysia, Bangi, Malaysia, 2010-2012
- **M.S., Microelectronics**, National University of Malaysia, Bangi, Malaysia, 2010
- **B.S., Electrical Engineering** – **Electronics**, Azad University, Karaj, Iran, Feb 2007