

# ALAIN EGHO

## Software & System Engineer

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### Skills

#### Software

- Extensive programming knowledge
- Able to code and develop customized web applications

#### System

- Having the power to maintain/upgrade existing systems
- Capable of designing and implementing new systems

#### Virtualization

- Highly skilled with exceptional development ability and extensive knowledge of programming in Openstack and AWS cloud computing software

#### Live Stream

- Capable to deliver end-to-end live-streaming and vod solutions

#### Database

- Highly adaptable and experienced SQL Database Developer/Administrator

#### Design

- Able to design and develop efficient and intuitive user interfaces

### Objective

Seeking a challenging position in Computer Software /System Engineering or Information Technology where I can match my skills and education in the right area of business.

### Profile

Talented software/system developer with engineering degree ,strong educational background in programming and experience using cutting-edge development tools. Articulate and professional communication skills, including formal presentations and technical documentation. Productive in both team-based and self-managed projects; dedicated to maintain up-to-date industry knowledge and IT skills.

### Education

2004 - 2009 **Computer & Communication Engineer**  
HOLLY SPIRIT UNIVERSITY OF KASLIK

2003 - 2004 **Lebanese baccalauréat II**  
Mesrobian High School

### Work History

2010 - **Senior Software & System Engineer**  
Present **PESCO Telecom – DEBBANE SAIKALI GROUP**

#### Software

- Software Engineer/Architect with over 6 years of experience in the full software development lifecycle
- Created object-oriented JAVA and JavaScript applications from scratch
- Developed business applications, ERP systems, and web-based products
- Expert in advanced development methodologies, tools and processes
- Contributing to the design and rollout of cutting-edge software applications
- Updated, maintained and developed web applications for various departments
- Created sophisticated, imaginative and efficient back-end solutions for network assets
- Plan, coordinate and conduct multiple complex software engineering activities
- Written code designed to abide by the standards of three-tiered or three-layered applications (Presentation Layer, Business Layer,Database Layer)
- Developed implemented & maintained an asynchronous, AJAX based rich client for improved customer experience
- Supported and wrote code for billing system using JAVA
- Known for excellent troubleshooting skills
- Implement End to End Automation using Jenkins
- Designed reusable components by utilizing various standard frameworks
- Managed complex ERP upgrades and integrations with third-party applications
- Daily development and unit testing of components
- Analyse HTTP requests and generate daily reports
- Researching new technologies and putting forward a case for those most likely to benefit the business
- Converting the business requirements into software solution
- Data integrity check
- Creating automated backup copies of data
- Software documentation
- Troubleshoot for program errors in existing systems
- Create useful real time reports via JMX
- Managed branching, merging, tagging of source code in Subversion repositories
- Developed, tested and maintained HTML5-based accessible and mobile applications to deliver client content to devices without Flash Support Responsive design

## Technical Tools



- Supported and resolved technical issues employees encountered
- Created a real-time Java engine that was used to schedule and process events (SNMP,ModBUS).

### WebServer

- Expertise in installing, configuring, and administering JBoss/Apache/Wildfly in various environments.
- Monitored and Managed JVM
- Performance tuning by adjusting JVM parameters by monitoring heap and physical memory

### Database

- Designed, developed and implemented new database objects including tables, indexes, triggers, functions and stored procedures used by the ERP product for the MySQL Server database platform
- Managed backup / restore, bulk data loading, system monitoring, and performance tuning
- Create delayed asynchronous replication
- Created and maintained multi-master replication as a solution for failover and load-balancing issues
- Installed and configured MySQL ,Cache ,LDAP databases Administration of the database
- Assisted in troubleshooting and resolution of database issues
- Developed reports for use in ERP systems using jasperReports

### System

- Assisted in designing and installing the IT infrastructure Servers ,Routers and Switches installation, configuration and support
- System managing and monitoring
- Administered ubuntu Linux servers including Tomcat, MySQL and bash scripting
- LAN/WAN network services
- Replacing failed hardware and addressing system problems
- Configuring modems, Siemens and Calix dslam, Juniper bras
- Responsible of complete configuration, installation and support of Solaris, ubuntu and Win 2003 systems including Cache, LDAP, JBoss, MySQL,IIS,Squid,Haproxy,GoAccess,Cacti
- DSL Core Network and System administration
- Supervising the administration of systems and servers related network to ensure availability of services to authorized users
- Designing and implementing a redundancy plan for high availability of the DSL System
- Worked with other administrators to improve systems/productivity
- 24/7 On-call rotation responsibility
- Maintained Data center compliance and cooling system
- WordPress Admin/Support - multi-site
- Worked and performed data-center operations including rack mounting, cabling
- Worked in splicing, cleaving, cleaning of fibers

### Cloud

- Experience with OpenStack Cloud Computing with KVM hypervisor
- Designing and executing end-to-end cloud implementation using OpenStack
- Setup Keystone, Glance,Nova, Neutron, Tenants and Flavor in OpenStack Environment
- Implementation of High Availability, Load Balancing and Caching of HTTP Requests
- Configure Live Migration of Instances
- Performing Physical to Virtual machine translation
- Implementing an automated cloud system installation cookbook
- Migrating obsolete hardware platforms to Openstack
- Managing cloud deployments with cloud administration tools and management frameworks
- Designed and built cloud service models including Infrastructure-as-a-Service, Platform-as-a-Service, and Software-as-a-Service
- Developed strategy for cloud/virtualization migration and implementation best practices
- Performance Management and Reporting

2015 - 2017    **Live Stream Specialist**  
Freelance at tostreamlive

- Streaming Media Server implementation
- Server Side module development
- Installed and configured Apache Web Server
- End to End streaming solution design and development
- Responsive Website development
- Online payment integration
- Google Analytics integration
- Documented, refined and maintained the live stream web application
- Live Stream system load balancing
- Configured and setup Secure Sockets Layers for data encryption and client authentication

2009 - 2010    **Software Developer**  
Platform for ecommerce - PL4E

- Junior Web developer
- Desktop/Server application development for banking solutions

Freelance    • Industrial software for manipulating serial communication via ModBUS

## Competences

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- Good working knowledge in English, French, Arabic and Armenian
- Self-discipline and high responsibility is my principle
- Capable of making presentations using power point
- Capable of assembling electronic circuits
- Extensive knowledge in software design, mathematics algorithm and data-processing logic
- High technical skills for designing and implementing new software
- Advanced skills in leading edge programming tools
- Able to work in a team or independent
- Capable of manipulating high-tech lab instruments
- Network Management, Maintenance and assembling of PC's
- LAN & WAN Design and Implementation
- Database Design and Implementation
- Game concept and design – 3D Rendering

## Qualifications & Trainings

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- 2017 Linux Administration Bootcamp
- 2016 Complete Java Masterclass
- 2013 Ethical Hack training at American University of Science and Technology
- 2011 University Senior project published in Digital Information and Communication Technology and Its Applications Part II
- 2010 CCNA at PESCO Telecom
- 2008 Training at Mecanix Shops- Automation systems, control and PLC programming
- 2007 Training at Sodeltel ISP – support and customer service
- Teaching private lessons in math, physics and chemistry

## Hobbies

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- 2010-present : Member of St. Mesrobs' Scout Alumni – Bourj Hammoud
- 2010-2015 : Member of Apostolic Marial Movement – Naccache
- 2006-2009 : Chief scout of St. Mesrob - Bourj Hammoud
- 1994-2010 : Scout member



## References

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References are available upon request