ANTHONY ABOU-JAOUDE

PROFESSIONAL SOFTWARE ENGINEER & LINUX SYSTEM ADMINISTRATOR

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EXPERIENCE ::

2013 – PRESENT   *Senior Software Engineer*
AT&T
Specializing in products to give "High Speed Internet Access (HSIA)" for the Hospitality Industry

- Products are : MAMA, SIMS, and One Box
- Designing, developing, documenting, and testing new features and functionality
- Skills used are mainly PHP, Perl, MySQL, HTML, CSS, JavaScript, jQuery, AJAX, XML
- Leading a team across multiple time zones to meet deadlines and requirements
- I play a key role in developing new products and combining existing ones.
- **Please see appendix for details and a list of projects**

Deal directly with clients

- In charge of the biggest accounts which include: Marriott, Wyndham, and Four Seasons
- Handling new client enquiries and acting as the face of the business

2010 – PRESENT   *Founder*
ONOKOWA TECHNOLOGIES
Provide web and software solutions.
Portfolio and more info can be found at **www.onokowa.com**

2008 – 2013   *Software Engineer & Linux Administrator*
CONTINENT 8 TECHNOLOGIES
In charge of all the software development, including Designing, Programming, Documenting, and Testing

- Skills used are mainly PHP, Perl, MySQL, HTML, CSS, JavaScript, jQuery, AJAX, XML
- Front and back end development
- Cross Browser Functionality

Managed all MySQL databases in the company.

Red Hat certified Linux Administrator of over 30 Servers.

The company has expanded a lot since 2008. As such, I designed and developed systems scalable and flexible enough to support that growth.

2006 – 2008   *POS Technical Support Specialist – Level 1*
ALDO GROUP HEAD OFFICE
Provided technical support to over 900 stores worldwide.

2004 – 2007   *Clerk Manager*
JEAN COUTU PHARMACY
Managed and trained a team of more than 10 employees.

SKILLS ::::::::::::::::::::

Expert in: PHP, MySQL, Perl, HTML, CSS, JavaScript, AJAX, XML, Regular Expressions

JavaScript: jQuery, mootools, Highcharts

CMS Systems: Wordpress, Druplal, Joomla

Linux: LAMP, CDN, Cacti, Nagios, NConf, mrtg, Red Hat, CentOS, cPanel, WHM, Glype, ZoneMinder, AWStats, Red Hat Network & Spacewalk, vi, shell, bash

APIs: Arbor, Facebook, Twitter, Google Maps

Ticketing and Versioning Tools : JIRA, CVS, GIT

Familiar with: C, C++, Java, J2ME, SOAP, SQL

Languages: English, French, Arabic

MS Office: Word, Excel, PowerPoint, Access, Outlook, Project, Visio, Publisher

Other: Fast learner, detail oriented, multitasking, great communication skills.

EDUCATION :::::::::::::

2011: Red Hat Certified System Administrator

2003 – 2008: Bachelor of Computer Engineering; Software Option. Concordia University, Montreal, Quebec

MEMBERSHIP :::::::::::

Professional Engineer in the *Ordre des ingénieurs du Québec*

APPENDIX 1 ::

- **Projects at AT&T :**

  - Data Sync between 2 products
    - This provides live syncing of data between 2 products to facilitate switching from one to the other
    - The sync is done in real time and the code is all written in perl
    - The code is highly optimized for performance as the data should be synced instantaneously
  - ACL Manager
    - Create multiple firewall rules to push out to properties
    - The design is granular enough to create global rules, rules for all properties of one company, or specific rules for one property
  - Connection pages for different hotel brands
    - Integration with different PMS Systems to send charges to a hotel room
    - Integration with different Credit Card gateways for multiple payment options
    - Gives the guest the ability to pick internet speed and amount of days for the internet connection
    - Different prices according to connection criteria
  - Custom Reporting and Alerting
    - Each hotel brand has its own criteria for reporting and alerting
    - The system is setup to be flexible enough to support all sorts of requests
    - Reports and graphs can be seen in the web interface and emailed at the same time

- **Projects at Continent 8 Technologies :**

  - Custom Made Internet Monitor
    - The system has different agents around the world and pings several targets using the fping program and stores all relevant information in a local database
    - All agent scripts are written entirely in perl
    - Agent scripts spawns children processes to optimize performance
    - Scripts run every minute and have to fetch data, process it and store it in less than a minute
    - Database tables have over 500 million rows and they are optimized for ultimate performance
    - Built Master-Slave Architecture for the MySQL databases
    - Used InnoDB Tables in order to do transactions
    - Agent and master databases are always in sync for redundancy
  - Geographical Dashboard
    - Set up system that monitors traffic from our servers around the world and figures out the geographical information of where our data is being sent and received from
    - Script is optimized to run fast and stores data in a master database for further manipulation
    - Script is done entirely using perl and uses the GeoIP Package
    - Interface to show data in graphs, reports and other formats
  - Power Management Tool
    - Stores and keeps track of power usage for all the racks
    - Fetches data every 15 seconds
    - Threshold and Alerting is built in to notify right away if anything out of the ordinary occurs
    - Measures and manages rack electricity remotely
    - Interface to link power panels with racks
  - Custom Made CMS
    - Acts as the main framework for the company
    - Built in security showing the users the sections that they are allowed to read/edit and permissions are set accordingly
    - Username and passwords are based on Windows Active Directory
    - Keep track of server rooms, racks, equipments, clients, IPs, etc
    - Logs every action that is done
    - Provides consistency checks and reporting
    - Built in bug tracker
    - Tool to inventory equipment in the company's various data centers

APPENDIX 2 ::

- **Projects at Continent 8 Technologies (Part 2):**

    - Billing Center
        - System used by the billing and finance departments to keep track of all services sold to customers
        - Export data to QuickBooks in order to bill clients
        - System is linked with CMS to ensure consistency of data
        - All transactions are logged
    - SMS Paging System & On Call Scheduling
        - Create contacts and groups for on call scheduling
        - Setting up scheduling
        - If a problem occurs the group/person on call will be the only one getting paged
        - Person on call needs to confirm by replying to SMS
        - Automatic escalation if no one responded to the initial page
        - System uses 2 paging gateways ensuring the SMS is always sent
    - Online Customer Portal
        - Built using LAMP Technologies
        - Designed Front End and Back End using a Three Tier Architecture
        - Communications between Front End and Back End is done using XML
        - Provided an API for some customers to integrate some data within their own systems
    - Arbor DDoS Protection API and Proxy
        - Get information from the system to display it in our customer portal
        - Integrate it within our systems to update its information instantly.
        - Created a proxy for the system with single sign on capabilities by customizing Glype for the company's needs and integrating with the customer portal.