

DWALU Z. KHASU
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Professional Summary: Experienced technology architect and visionary, personable manager and skilled programmer with acute business understanding, entrepreneurial skills and "can-do" attitude

Technology Expertise/Skills:

OS / Environments: AWS (EC2, S3, SimpleDB), *BSD, *Linux, Mac OS X, Windows

Studies: Design Patterns, Database Design and Optimization, Agile/Extreme Programming

Languages: C/C++, perl, java/J2EE, RoR, python, PHP, JavaScript/JQuery, tcl/tk, expect, Visual Basic/C/C++, .NET/ASP/C#, ESQL/C, Pro*C, PL/SQL, T-SQL, Lisp, Prolog, Scheme

Web Servers: Apache, Lighthttpd, IIS, Nginx, Websphere, Weblogic, Tomcat, JBOSS, Jetty

Databases: MySQL, Oracle, PostgreSQL, FireBird, MS SQL, Informix, Sybase

Technology Summary: Technology intuitive; Player/Coach of high-performance teams;
Scalable Platforms; Highly-focused and results-driven process builder;
Creative problem solver and decisive decision-maker

Professional Experience:

KDM Technology Solutions (Self-Owned)

Consultant (Data and Systems Architect, DBA, Manager) (10/05 - present)

Business and Technology Processes, Database and System Architecture, Development for various clients in Mobile Messaging, Advertising, Data Mining, Data Warehousing, Customer Acquisition/Direct Marketing and Ecommerce.

Technologies: EC2, S3, SimpleDB, OpenX, Catalyst, Drupal, Zope, Yii, Kohana, LAMP, PHP, perl, java, Solaris 10, FreeBSD, Linux, Windows, Oracle, MySQL, PostgreSQL, MS SQL

IntopicMedia, LLC

Consultant / Architect (April 10 - October 10)

Operations and re-architecture of contextual advertising platform, strategies for business development and advertising sales

Waterfall Mobile, Inc. (May 09 - Aug 09)

Consultant / Performance Architect

Profiling, benchmark and re-architecture of mobile advertising and alerts/messaging platform to high performance and scalable deployment on AWS for online voting and similar applications

BigTent, LLC

Database Administrator/Architect (Aug. 08 - April 09)

Implemented migration from MyISAM to InnoDB, backup/restore automation, replication fail-over, performance tuning and training, including optimization, caching and load tuning.

Juicr

CTO/Co-Founder (09/06 - 09/08)

Product Development, Financials and Fund Raising, Technology Management--research, analysis, specification, architecture, and development of fully-functional production-ready professional network product using best practices in a fault-tolerant, MVC-based web3.0 platform (Local and remote teams)

Key components included:

- o Layered hierarchy using open-source and proprietary algorithms in unstructured search, voting, faceted-search, collaborative filtering
- o Fault-tolerant distributed collection/crawler subsystem
- o MVC-based web3.0 architecture with partitioning and caching (data and media)

Research Technologies: RoR, Pylons, Django, Heretrix, Nutch, MySQL, Lucene, Sphinx, Xapian, Catalyst, perl, C/C++, Postgres, FreeBSD, Solaris x86, Memcache, Hadoop, BigTable, S3, OpenSocial, OpenID, Bayesian Classifiers, Contextual Network Graph, Collaborative Filtering, Apache, Lighthttpd, modperl, fastcgi, perlbal, pound, squid, varnish, and various NLP methods

Technologies Used: Apache/modperl, MySQL, Catalyst, Amazon EC2/S3, varnish, memcached, Xapian

Netblue, Inc. (Alias YFDirect)

Director of Technology, Product Development and Operations 11/04 - 10/05

Player/Coach responsible for the design, implementation and maintenance of highly-available, software and hardware systems used for LeadGen, Search, Email, Affiliate Networks in Internet Advertising, Marketing and other customer acquisition/distribution channels

Platform: JAVA/JSP on Tomcat, perl/mod_perl on Apache, MySQL, Linux

- o Implemented enhancements to NetBlue's proprietary platform, resulting in 30% Increase in user-response time and 50% increase in platform uptime
- o Designed and implemented a declarative language (XML-based) to simplify deployment of new products and its supporting framework for next generation platform, reducing customer/offer deployment time from 1-1.5 weeks. to 4 hours or less on average
- o Delivered prototype for reliable self-healing logging, collection and data distribution system in an Object Oriented perl framework
- o Benchmarked, optimized and maintained ~750G MySQL instance to reduced connection overhead, server loads and increased response time as DBA
- o Liaised with product team to collect user stories and define product strategy
- o First-line of client engagement for technical/operational issues
- o Day-to-day management of local and remote (Vietnam) teams--started with 3-member EngOps team and grew to 30 Eng + 10 Ops

VibrantMedia, Inc.

Consultant/Director of Engineering and Operations 08/03 - 05/04

Design and development of information retrieval/NLP framework in a distributed server architecture; architecture of proxy, load-balanced service clusters; liaising with management and peers in UK and US offices; recruiting and management of US engineering; day-to-day management of IT infrastructure and purchases;

Platforms: WINDOWS, IIS, MS-SQL, VB, FreeBSD, MySQL, perl, Apache2

- o Architecture of high-availability and highly scalable, secure high volume server platform using design patterns to create extensible/pluggable infrastructure adding NLP/semantic algorithms to increase contextual relevancy
- o Optimized various layers of legacy platform, at network, hardware and software, including MS SQL replication, reduction of transactions and system deadlocks, and custom in-memory data management modules resulting in 50% increase in overall system response
- o Managed and maintained geographically dispersed services in collocated server farms in UK and US running on legacy Windows 2000 as well as defined and integrated seamless Unix migration
- o Reduced overall IT budget while increasing CTR, relevancy measures and revenues

Tacoda Systems

Consultant/Architect/Developer (08/01 - 04/03)

Managed Engineering and Operations, which included Product Engineering and Development, Technology Support and Operations, Customer Support and Deployment

- o Assessment, design and implementation of deployment technology infrastructure for Enterprise and Distributed data warehouse platforms as well as internal technology growth
- o Primary System and Network Administrator for hosted datacenter which includes Windows 2K, Linux and Solaris servers, Cisco switches, routers and firewall; also SQL Server 2000 and MySQL Database Administrator
- o Implemented Ticketing System, Customer Notification and Change Management Processes
- o Software development and bug fixes in Java, Perl, ASP, T-SQL and bourne shell
- o Established formal processes using Capability Maturity Model (CMM) directives

Miavia, Inc

Database and Systems Architect/Developer

- o Primary Database administrator and co-architect of a distributed mail filtering system
- o Co-designed and implemented a secure and transparent network appliance solution to reliable and efficient mail filtering at the Enterprise level.
- o Designed and implemented a scalable, distributed failover architecture for reliable near real-time updates to spam database using MySQL; also developed client APIs using Perl, C, and Java

Sonicopia (later acquired by Pulse)

Chief Architect/Engineering Director (Consultant, Perm) 05/00 - 08/01

- o Architect/Developer of ASP solution for distributed delivery of multimedia content via the web
- o Successfully completed major product development and integration effort on time and under budget for main components and startup framework
- o Created global distribution strategies, investor presentations and marketing documentation

Excite@Home

Senior Software Engineer/Architect 06/99 - 07/01

- o Re-architected and implemented @Home's WebSpace architecture using replication, caching, more modular and distributed components resulting in three-fold increase in capacity on existing hardware
- o Co-Architect/Developer for Network Management product; configuration, monitoring and alert platform using SNMP, C, perl and Oracle

Sun Microsystems (Security and Networking Group)

Network/Software Engineer (Consultant) 10/98 - 05/99

Developer and test automation for Mobile-IP prototype (RFC 2002); regression and stress testing of mobility architecture including Diameter

Cisco Systems

Network/Software Engineer (Consultant) 08/97 - 09/98

Development and testing for H.323 VoIP product; including gatekeeper, gateway, proxy, picturetel and Intel endpoints using C and tcl

BBN Planet Corporation

Senior Technical Lead 12/94 - 8/97

Responsible for technical leadership and development of tools in the ISP service arena: Site Patrol Firewall product, network configuration, management and monitoring utilizing both file storage and distributed databases on Informix and Oracle; reliable mail architecture and configuration using Sendmail; automated router configurations and firewall configurations

References available upon request