GENE AVAKYAN

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CHIEF TECHNOLOGY OFFICER
Innovation & Growth | Security | Process Automation

SUMMARY

Innovative career technologist with 25 years' experience architecting and delivering creative, client-centric and value-driven solutions. Proven leadership experience in evaluating technology, building capable and cohesive teams, and solving problems on time and within budget. Expertise in different industries – finance, government, medical, and entertainment. Dedicated to designing enterprise platforms and solutions to maximize the bottom line. Educated workforce to resist social engineering and phishing attempts to prevent unauthorized access and data loss. Architected secure enterprises - corporate communications and data systems that withstood test penetration and actual external hacking attempts. Direct experience with voice and data communications, leading development teams locally and offshore, network and data security

CORE COMPETENCIES

✓ Corporate Security Management	✓ Risk Management	✓ Stakeholder Engagement
✓ Capacity Management	✓ Team Building and Development	✓ Agile Management
✓ Multinational Project Management	✓ IT Service Management	✓ DLP & Compliance
✓ Product, Data, & Info Lifecycle	✓ SDLC Management	✓ Budgetary Planning

AWARDS

Los Angeles City Attorney   2012
Special award of appreciation for developing the Nuisance Property Abatement Program in active use by the City Attorney and LAPD. Received from then City Attorney Carmen Trutanich.

Los Angeles Mayor's Office   2013
Awarded for architecting and leading development of city procurement management application in use by LA World Airports, Port of Los Angeles, Mayor's Office, and other city agencies.

MOSFED Federation   2019
Awarded for top photography in support of campaign to fight human trafficking and slavery initiative. MOSFED is an international federation of law enforcement and intelligence officers.

EDUCATION

Master of Business Administration (**MBA**) Degree, Pepperdine University (2004)
Mechanical Engineering Master's program (MSME), SDSU (1995)
Aerospace and Mechanical Engineering (**BSAE**) Degree, UCLA (1994)

EXPERIENCE

A&D Mortgage – Los Angeles   7/2019 – present
Chief Technology Officer

Leadership position of team at group of financial companies (*A&D Mortgage, Imperial Fund, and Home Federal Bank of Hollywood*), responsible for IT staff of six and integration of multiple third-party SaaS applications into company architecture. Brought modern software-development concepts to development team. Instituted program of equipment inventory management and accountability to cut costs and minimize asset losses. Modernized network architecture at multiple corporate locations and integrated an international office into corporate VPN structure without compromising security or operational efficiency and competitive advantage of company. Created compliance documentation on disaster recovery and operations to facilitate merger of A&D and Imperial with Home Federal Bank. Managed migration of enterprise to new telecommunication system to save costs and improve communications. Managed offshore development and operations team. Recruited technical team to support operations and growth. Secured mail and data infrastructure and implemented an employee training program to combat phishing. Managed a $500K annual IT budget. As CISO, instituted auditing of employee data and network access as well as monitoring remote staff machines to proactively prevent data loss (DLP). Fiserv core system, Azure hosting, MySQL, MS SQL, VM deployment via Hyper-V, Python data analysis, Office365 and Azure AD management.

LA City Attorney – **Los Angeles**   **2/2012 – 6/2019**
Chief Technical Architect

Gather requirements from client and develop functional req documents
Design schema to address functional requirements
ColdFusion app development
DB2 design and development
Client training and post-release follow-up to review and fine-tune app
TOUGH.LACITY.org is in use today to help City Attorney and LAPD with nuisance property abatement in the City.
Received commendation from City Attorney Carmen Trutanich.

City of Los Angeles – **Los Angeles**   **5/2011 – 6/2019**
Chief Technical Systems Architect

Design and development responsibility for Los Angeles citywide procurement platform, used by agencies such as LAX, Port of Los Angeles, and the Mayor's Office. Managed team of several developers. Primary development in ColdFusion, HTML5, CSS3, and Bootstrap.
Held requirements and code review to maintain high quality standards.
Introduced version control to the City in the form of GIT.
Review requirements with technical management and suggest improvements
Design DB schema to address functional requirements.
LABAVN.org is in use for all Los Angeles contract administration – including LAX upgrades worth $1B.
Interfaced with Mayor's office and departmental administrators and managers to support application.
Received commendation from Mayor's Office and ITA department.

Non-fat Media – **Los Angeles**   **12/2010 – 5/2011**
Sr. Consultant

Design and build entertainment casting network
Gathered requirements and
ColdFusion app development
MS SQL development, data migration, and performance testing/optimization

ZAG/TrueCar – **Santa Monica**   **4/2010 – 12/2010**
Sr. Database Administrator

Administration of 26 SQL Server instances in a production environment
Database system support in a 24/7/365 environment
ETL and data migration SSIS package development
Data analysis and architecture responsibility for new application
SQL development, data migration, and performance testing/optimization
Production database migration from MS SQL 2005 to 2008
Managed system that currently is selling 1M cars annually.

Interprogram, Inc – **Los Angeles**   **3/2009 – 4/2010**
Architect and Sr. Database Administrator

New project evaluation, bidding, staffing, data analysis, execution responsibilities.
Project management services provided to small to medium-sized clients.
Developed HIPAA-compliant medical records archiving applications.
MS SQL and MySQL development, data warehousing, and administration services provided to small to medium-sized clients
Application development using ColdFusion, VB, and JQuery

Spark Networks – **Los Angeles**   **2/2006 – 3/2009**
Sr. Database Administrator

Managed MSSQL and MySQL data farm running an online community consisting of 40 dating sites boasting 30 million site users, 2TB+ of total data, and 100 million site messages annually. Very large data sets are typical of this system, with maximum at about 8 million rows.
Data farm consisted of 74 production MSSQL, and 25 production and development MySQL machines.
Implement server replication on MySQL platforms. MSSQL implementation involved MSMQ to write data to redundant servers: app writes to master, app reads from slaves.

Built data warehouse, fed by SSIS jobs pulling production data, reported upon by MSSQL Reporting Services.
Developed dashboard application used by senior management to plan strategy, reporting on data from data warehouse.
ColdFusion application development to migrate large datasets between MSSQL and MySQL.
T/SQL and CFML development using Fusebox 3 methodology with stored procedures
Duties include data migration to/from MySQL data conversion of MySQL relational structure from/to MSSQL attribute model, as well as actively searching for and resolving performance bottlenecks; data analysis of incoming projects, inter-departmental communication and liasoning.
Monitor performance on MSSQL and MySQL platforms.
Managed backup and recovery for both platforms
Build MySQL cluster as proof of concept of server scalability

Century National Insurance – Los Angeles   4/2004 – 2/2006
Lead Architect and Database Administrator

Managed production farm of 5 MSSQL and MySQL servers running an online insurance writing/quoting application
ColdFusion and VB application development working on company web site selling insurance to the public using Fusebox 3 methodology
Designed and implemented custom automated web service test application as part of company operating procedure
Implemented web-to-legacy bridge linking HP 3000 machines to web apps via WRQ Verastream host integrator
Web service development using .Net (C#) and ColdFusion
Managed on-line lead and quote generation engines running in a Cold Fusion/SQL Server environment
Gathered requirements from internal clients and generate project documentation
Java language programming of back-end business processes
Developed interface to credit card processor and managed payment lifecycle process including liability management in the form of charge backs.

Medical Apparel Direct, Inc. – Los Angeles   3/2002 – 4/2004
Systems Architect

Implemented Agile techniques to reduce time to market of mission-critical ecommerce application in support of a start-up business
Data analysis and migration from MS Access to SQL Server 2000 and MySQL
ColdFusion web development of company online ecommerce site and B2B interfaces using Fusebox 3 methodology
DBA responsibilities over SQL Server and MySQL
Coding of core business objects in Cold Fusion MX, JavaScript, and T-SQL
Fusebox coding standard applied throughout
Managed development and graphic design teams through release cycle
Negotiate agreements with strategic partners
Generate cash flow projections and P&L statements for start-up
Accounting system set-up and operation
Web service development using .Net (C#)
Management of multi-tier application development process
Developed interface with credit card processor and managed payment processing for company.

City of Los Angeles – Los Angeles   3/2002 – 3/2003
Sr. Consultant

Gathered requirements and generated functional requirement specs for projects
Oracle 8i and Cold Fusion MX/JavaScript application development in Solaris/Windows environment
Fusebox techniques introduced – boosted reusability of code and productivity and enabled iterative application development
Web Services and internal XML implementation introduced to extend platform
Scalability and high-availability concerns addressed and resolved

Deutsch, Inc – Marina Del Rey, Ca   5/2000 – 3/2002
Chief Technical Architect & Developer

Architect solutions for advertising giant and clients
Data model and lead application development

Administration of all SQL Server installations
SQL Server, Java, ColdFusion, JavaScript, and ASP technology implemented
Formal requirements definition process management
Supervision of 5-person developer, dba, and creative team
Core business object development (implementing RAD and OOP techniques)

Event411.com – Marina Del Rey, Ca   **6/1998 – 5/2000**
System Architect and Developer
Architectural and lead development role in enterprise event scheduling and planning b2b and b2c applications
SQL Server and ColdFusion primary platforms in overall solution
RAD and OOP methodology applied throughout all projects
Formal requirements definition process management
Design team management through all phases of projects – dba and developer
Mentoring of junior team members
SQL Server administration
Lead customer meetings and senior management meetings, compile reports
Conduct project review with clients and senior management, manage revision cycles
MS Visual Source Safe in use

Adecco – Redwood Shores, Ca   **1/1995 – 6/1998**
Sr. Application Developer
Architecture and lead development of enterprise event scheduling and planning B2B and B2C applications
Formal requirements definition and client interface responsibilities
SQL Server, ColdFusion, and ASP primary platforms in overall solution
Ported legacy VB system interfaces (non-RDBMS mainframe data sources)
Managed data and application migration from CF 3.0 to 4.0.1 and SQL Server 6.5 to 7.0
Management of development team
SQL Server administration development
Application cross-development on Oracle platform
T/SQL and PL/SQL development
Mentoring of junior team members
Architecture and development of XML-based bridge with Oracle Corp.'s internal ERP system to service Oracle's ERP client base
OOP and RAD techniques applied throughout

St Jude Medical - Pacoima, Ca   **3/1994 - 1/1995**
Sr. Software Engineer
Architecture and development of internal applications for medical equipment designer/manufacturer
Lead development responsibilities for Engineering and R&D departments
FDA compliance system optimization – from R&D process document tracking to automated production line product tracking
Develop and implement applications to boost accountability and productivity of outsourced production lines
Develop and implement remote tracking and management tools for testing and manufacturing facilities across California and Arizona
SQL Server administration and T/SQL development
Roll-out prototype remote learning system for use on assembly lines in Germany and US

PROFESSIONAL REFERENCES

| Jonathan Cristall | Supervising Asst. City Attorney for City of LA | jclacity@gmail.com |
| David Golbchik | Partner, LNBYB Law Firm | dbg@lnbyb.com |