

## Chuck Chau - Walnut, Los Angeles, CA

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Dedicated and versatile software development professional with experience in architecting, planning, coaching, and delivering innovative technology solutions. Demonstrated ability establishing iterative process to set short and long-term IT strategic plan; leading full cycle development to ensure on-time, on-target completion

- Interpreting stakeholders needs into user stories and acceptance criteria
- Giving technical advice to management team
- Hands-on implementing architecture framework prototype / solution
- Writing technical documentation and user guides
- Coaching technical staffs on new technologies and processes
- Coordinating internal and external technology resources to realize deliverables

### Core Competencies

- Software System Architecture
- Object Orientated Programming
- IT Strategic Planning
- Microservices
- WebAPI Framework
- Continuous Integration (CI) Automation
- Application Lifecycle Management
- Serverless Design and Implementation

### Technical Proficiencies (5:Fluent, 4:Good, 3:OK, 2:Prior Experience, 1:Experimental)

<b>Platforms</b>	Windows(5), Linux(2), AWS(3), Docker(1), Team Foundation Server 2017 (TFS)(5), Git(3), Confluence(3), Jira(1), Salesforce(2)
<b>Programming Frameworks</b>	<b>.Net(5)</b> C# (.Net dotnetcore, .Net Standard), Meta-programming, Reflection, Managed Extensibility Framework (MEF), Autofac <b>Javascript(4)</b> node.js, RxJs, AngularJS, Data-Driven-Document (D3) UML(4), Python(2), Powershell(3), Bash(1), T-SQL(4), Salesforce-Apex(2)
<b>Databases</b>	MS SQL Server(4), MySQL(1), DynamoDb(3), Redis(2), Elasticsearch(2), Couchbase(1), MongoDB(1), PostgreSQL(1)
<b>AWS Services</b>	API Gateway, Beanstalk, Cognito, DynamoDb, EC2, IAM, Lambda, RDS, KMS, S3, SNS, SQS
<b>Services Packages</b>	Redgate SQLClone, Redgate SQL Automation with Powershell, SVG, Google DoubleClick for Publisher (DFP), Google Analytic (Universal Analytic), Google Tag Manager (GTM), Twilio

### Employment History

Software Architect / Senior Software Engineer, ETC Processing Technologies LLC, Los Angeles, CA	12/2016- 12/2017
Senior Software Engineer, CoStar Group, Ontario, CA	4/2011- 12/2016
Technical Lead/Architect, Marshall & Swift/Boeckh (MSB), Los Angeles, CA	7/2010- 4/2011
Senior Software Engineer, Green Dot Corporation (GDC), Moravia, CA	4/2008- 7/2010
Senior Software Engineer, Marshall & Swift/Boeckh (MSB), Los Angeles, CA	4/2004- 4/2008
Software Engineer, Prospect Science and Technology (PST), Rosemead, CA	9/1998- 3/2003

### Recent Professional Experiences

#### Software Architect / Senior Software Engineer

ETC Processing Technologies LLC, Los Angeles, CA

##### Client API on AWS API Gateway

Architected a Client API which will allow ETC to pursue new line of security clearing business from online brokers, and integrate their trading platforms with ETC back office; pilot project for

explorering AWS cloud platform option

#### Continuous Integration (CI) Implementation

Defined and applied new Application Lifecycle Management process for development team (dev team), using Team Foundation Server 2017 with Git; targeted to fully automated build and deploy of both application and database changes to different environment

#### IT Strategic Planning / Roadmap

CEO appointed to lead the effort to create IT Strategic Plan / Roadmap process and policy; documentation templates were create in Confluence, ready for 2018 planning

#### System Architecture Assessment

Documented the current system architecture and proposed a NextGen vision, the resulting document was used for FINRA audit

#### Tooling Assessment / Recommendation

Identified and recommended new tooling software in the area of Team Communication, Project Management, Application Lifecycle Management, and Development; leading to improving IT workflow and tracability

### **Senior Software Engineer**

**CoStar Group, Ontario, CA**

#### Enterprise Ecommerce Pricing Engine / Service

Designed and implemented an enterprise solution for calculating shopping cart and generating price sheet, with multi-dimentional pricing model, discount schema, historical and future pricing support; leading to reduction in developer time consumed for pricing update from days to minutes

#### Marketplace Ad Creative Publishing 2.0

Acted in the role of technical lead to refactor ad creative editing workflow, utilized technologies, such as SVG, D3, Akamai, browser canvas; leading to improve overall performance and artifacts portability

#### Ecommerce tracking using Google Universal Analytics (UA) with Google Tag Manager (GTM)

Designed and implemented an integrated solution to track e-commerce activities on LoopNet.com website using UA with GTM, enabling e-commerce conversion funnel analytic

#### Marketplace Ad System powered by Google DFP

Designed and implemented an ad platform, integrated with Google DFP, for selling ad spaces on LoopNet.com

#### Cityfeet.com and Loopnet.com Google Universal Analytic (UA)

Designed and implemented a solution to track user behavioral data, such as clicks, social sharing, using Google Universal Analytic (UA)

#### Cityfeet.com Enhancements

Upgrade UI framework using ASP.Net MVC 2 and improve SEO results for cityfeet.com, recovered over the impact by Google Panda update

### **Recognitions**

Nominated CoStar Innovation Award	2014
CoSart Developer Conference	
Winner of CosStar Innovation Challenge	2012
CoStar Developer Conference	

### **Education**

California State Polytechnic University, Pomona	1998
B.S. Computer Science	