

## Chuck Chau

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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
- Prototyping architecture framework 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
- IT Strategic Planning
- Microservices
- Continuous Integration (CI) Automation
- Application Lifecycle Management
- Serverless Design and Implementation

### Design Principles

- Customer / User Oriented
- Workflow Decoupling
- Separation of Concern
- Dependency Inversion
- Single Point of Truth
- Convention over Configuration
- Standard over Proprietary
- KISS - Keep It Small and Simple
- MVP - Minimum Viable Product
- DRY - Don't Repeat Yourself

### Technical Proficiencies

<b>Platforms</b>	Windows, Linux, AWS, Docker, Team Foundation Server 2017 (TFS), Confluence, Jira, Salesforce
<b>Programming Frameworks</b>	<b>.Net</b> C# (.Net dotnetcore, .Net Standard), Meta-programming, Reflection, Managed Extensibility Framework (MEF), Autofac <b>javascript</b> node.js, RxJs, AngularJS, Data-Driven-Document (D3) UML, Python, Powershell, Bash, T-SQL, GoLang, Salesforce-Apex
<b>Databases</b>	MS SQL Server, MySQL, DynamoDb, Redis, Elasticsearch, Couchbase, MongoDB, PostgreSQL
<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

Associate Director, Software Architecture, IT Development Committee, 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), Morovia, 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

### ***Associate Director, Software Architecture, IT Development Committee ETC Processing***

#### **Technologies LLC, Los Angeles, CA**

##### Client API on AWS API Gateway

Client API will allow ETC to pursue new line of security clearing business from online brokers, and integrate their trading platforms with ETC back office

##### Continuous Integration (CI) Implementation

Defined and applied new Application Lifecycle Management process to development team (dev team), using Team Foundation Server 2017

##### IT Strategic Planning / Roadmap

CEO appointed to lead the effort to create IT Strategic Plan and Roadmap process

##### Kafka / CoreOS

Creating a prototype to convert real time trading/settlement data coming from multiple sources into Kafka data stream

##### System Architecture Assessment

Documented the current system architecture and proposed a NextGen vision

##### Tooling Assessment / Recommendation

Identified and recommended new tooling software in the area of Team Communication, Project Management, Application Lifecycle Management, and Development

### ***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-dimensional price plan and discount schema

##### 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

##### 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 GA via GTM

##### Marketplace Ad System integrate with 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 and improve SEO results for cityfeet.com

## 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