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 coding 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
* WebAPI Framework
* Object Oriented Programming
* Continuous Integration (CI) Automation
* IT Strategic Planning
* Application Lifecycle Management
* Microservices
* Serverless Design and Implementation

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

|  |  |
| --- | --- |
| Platforms | Windows (5), Linux (2), AWS (3), Docker (1), Team Foundation Server 2017 (TFS) (5), Git (3), Confluence (3), Jira (1), Salesforce (2) |
| Programming Frameworks | **.Net (5)** C# (.Net dotnetcore, .Net Standard), Meta-programming, Reflection,  Managed Extensibility Framework (MEF), Autofac  **Javascript (4)** node.js, RxJs, AngularJS, Data-Driven-Document (D3)  UML (4), Python (2), PowerShell (3), Bash (1), T-SQL (4), Salesforce-Apex (2) |
| Databases | MS SQL Server (4), MySQL (1), DynamoDb (3), Redis (2), ElasticSearch (2), Couchbase (1), MongoDb (1), PostgreSQL (1) |
| AWS Services | API Gateway, Beanstalk, Cognito, DynamoDb, EC2, IAM, Lambda, RDS, KMS, S3, SNS, SQS |
| Services Packages | 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), Monrovia, 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 exploring 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 created in Confluence, ready for 2018 planning

## System Architecture Assessment

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

## Tooling Assessment / Recommendation

Identified and recommended new tooling software for Team Communication, Project Management, Application Lifecycle Management, and Development; leading to improving IT workflow and accountability

**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 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 behavior 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