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
* Object Oriented Programming
* Continuous Integration (CI) Automation
* IT Strategic Planning
* WebAPI Framework
* 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 and training material for IT onboarding

## 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 ecommerce activities on

LoopNet.com website using UA with GTM, enabling ecommerce 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