1/10/2018 Chuck Chau Resume

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 implementating 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 ArchitectureWebAPI Framework

Object Orientated ProgrammingContinuous Integration (CI) Automation

IT Strategic PlanningApplication Lifecycle Management

MicroservicesServerless Design and Implementation

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

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| --- | --- |
| 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), 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

Software Architect / Senior Software ETC Processing Technologies LLC, Los Angeles, CA

Engineer

## 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

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## 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 datbase 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 priceing 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

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