

# Louis Simpson

Senior Solutions Architect with expertise in enterprise, high volume applications. U.S. Navy Veteran

**Flavor of the month:** Vue.js/SQL Server/.NET Core Web API/d3/Cognos 11 Mashup Services

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## EXPERIENCE

### **FWTCO, Inc. Remote — Solutions Architect**

APR 2019 - PRESENT

Designed and Developed a “get well” application for the DOD which allows high level strategists to make manpower and supply decisions to meet the ongoing change and demand for ready and mission critical operations. The backend is written in C# using .net core 3.1 Web API. The front end is written in Vue.js and the data store is SQL Server. Vuex and vue router are used for state management and user flow. Chart.js and d3 components are used for visualizations. Cognos 11 Mashup Services are used to integrate enterprise reporting into the vue.js app. Jest is used for unit testing. Deployment is managed using docker and Azure app services.

### **Corpinfo, Santa Monica — Cloud Solutions Architect**

APR 2016 - NOV 2016

Specialize in migrating production workloads to the cloud. Disaster Recovery, High Availability and Fault Tolerance are what I dream about. (Not really but it sounds good, right?)

Helped healthcare company migrate from a SaaS platform to their own infrastructure on AWS. Developed HIPAA compliant audit controls to monitor compliance. Developed highly available redis cluster with cascading replication and postgresql master slave configuration setup using troposphere to generate cfn templates and bash to provision nodes.

### **Datapipe, San Diego — DEVOPS Consultant/Cloud Architect**

MAR 2015 - APR 2016

Provide Professional Services to a wide variety of customers specializing in Enterprise .NET migrations to AWS cloud and infrastructure automation. Built a highly available consul cluster for reusable service discovery for our customers.

### **InnovaSystems, Int'l, San Diego — Software Dev Manager**

SEP 2010 - MAR 2015

Lead team of software engineers in support of a 50 million dollar 5 year project for the DOD. Primarily responsible for software development, testing, maintenance and troubleshooting. Work with business analysts to ensure quality of requirements and close feedback loop with product owners. Worked with testers to ensure quality of test cases and coverage levels for functional requirements.

## SKILLS

.NET Core, .Net Framework, Asynchronous Design, Containers, Bash, Python, Ruby, PHP, PERL, Troposphere, C#, Javascript, Chef, Ansible, SQL, Docker, es6, es2020, d3, chart.js, vue.js, cognos11, Certified AWS Solutions Architect, DEVOPs, Linux Administrator, Mentor, Microservices, Amazon Web Services, Cloud Architecture, Solutions Architecture,

## LANGUAGES

Mandarin Chinese

## Reference



[Github](#)



[Observable](#)



[Medium](#)



[Stack Overflow](#)



[LinkedIn](#)

## **InnovaSystems, Int'l, San Diego— Sr. Software Engineer**

DEC 2004 - MAR 2015

Worked on Enterprise application for the DoD readiness community. Ensured development team compliance with CMMI level 3 principles and processes which directly led to a successful SCAMPI appraisal from the SEI.

## **ISERA Group, Santa Barbara— Software Engineer**

JAN 2003 -DEC 2004

Wrote ASP.NET web forms applications for government scheduling software. Met with stakeholders to develop requirements. Maintained Visual SourceSafe repositories. Used Javascript to write asynchronous operations using xmlrpc.

## **Self-Employed, Ventura— Consultant**

JAN 2002 - NOV 2002

Created logical database diagram for Nursing referral program for County of Ventura. Worked with IT staff to migrate to physical diagram and deployment of new database to downstream systems to showcase upgraded applications. Used Sybase PowerDesigner for modeling.

## **Universal Internet, Carmel— Software Engineer**

JUN 1998 - DEC 1999 and JAN 2001 - DEC 2002

Maintained customer web applications running mainly on LAMP stacks. Built data driven web applications for various businesses in the area. Used Macromedia Generator to build an interactive Flash golf course explorer.

## **Uniquefocus, inc, Monterey— System Administrator**

JAN 2000 -DEC 2000

Maintained linux and windows servers for our hosting customers. Build custom applications for various customers using the LAMP stack. Built automated scripts for self-service hosting clients to do various admin tasks on their servers.

## **Hotwax Media, Carmel— Web developer**

JAN 1998 -JUN 1998

Maintained Data driven Mortgage broker application. Implemented CGI scripts to display latest mortgage rates in templates. Assembled HTML templates from Graphic Designer mockups.

## **United States Navy, Various— Cryptologic Direct Support Element**

SEP 1991 - SEP 1996

Served as EP-3E/ES Cryptologic Technician Operator/Analyst on both the EP-3E orion and the ES-3 Viking. Graduated from Defense Language Institute with a Chinese mandarin degree. SERE/Aircrew school qualified.

