

# Christopher Robison

## Full Stack Expertise Meets Effective Engineering Leadership

*Whether it's leading a team of programmers, rapidly developing a new app, or aligning software development with strategic business objectives, I bring a blend of technical know-how, leadership skills, and business acumen to every project. I am looking forward to collaborating with you to turn your innovative ideas into reality. I have extensive experience in software engineering and leading groups of unruly programmers. Skilled in a wide range of programming languages, including JavaScript, C, C++, Java, Python, Swift, Kotlin and others. I have a proven track record of successfully leading teams, delivering finished product and driving strategic planning, process improvement, and product development initiatives. Recognized for implementing innovative solutions and modernizing systems to support business growth, as evidenced by transforming D. Harris Tours' operations, resulting in a fleet expansion from 2 to 12 buses. Strong expertise in microservices architecture, Agile methodologies, and cloud services. Committed to continuous learning and staying updated with emerging technologies. A collaborative and proactive problem-solver with a passion for delivering exceptional results. I could go on but I'm afraid I've said too much already &#128513;*

### EDUCATION

**Japanese, Business**, Jan 1, 2009-Jan 1, 2010, City College of San Francisco

**Computer Science**, Jan 1, 1988-Jan 1, 1991, California State University-Chico

**Computer Science, General Education**, Jan 1, 1988-Jan 1, 1990, Butte Community College

### EMPLOYMENT

**CTO**, Feb 2020-Dec 2023, D. Harris Tours, Inc., San Francisco, CA

Spearheaded technological transformation and business processes that allowed D Harris to grow from a fleet of two buses to 12 buses.

Updated and enhanced the company's systems with modern tools to better manage the growing business, including real-time bus data, automated maintenance notifications, and automated trip confirmations and notifications via email and SMS. Implemented route optimization algorithm to identify opportunities for one bus to handle multiple trips, increasing their daily revenue by 30%.

Implemented automated notifications for trips, bus maintenance, and billing and invoicing.

*Automated* notifications for trips, bus maintenance

*Automated* billing and invoicing

*Migrated* driver logs to digital format

*Increased* daily revenue with better trip optimization

**Manager, Software Engineering**, Jul 2010-Feb 2020, Conversant, Inc., San Francisco, CA

*Designed, developed, and maintained the infrastructure and code-base that served many millions of mobile and rich media ads each day. Led the Rich Media effort and helped modernize the ad serving infrastructure and metric collection. Designed and implemented a RESTful API for serving rich media ads and built out scalable backend services to handle integration with existing servers and infrastructure.*

*Contributed* to IAB MRAID 2.0 standard

*Implemented* MRAID SDK's on iOS and Android platforms

*Developed* and deployed mobile ad solutions for multiple platforms.

*Designed* and deployed 'Rich Media' ad delivery and reporting infrastructure.

*Architected* and deployed RESTful API for ad serving, tracking metrics and reporting.

*Developed* client-side Javascript 'ad controller' for mobile and web

*Developed* flexible metrics tracking with non-blocking endpoints

*10* years

**Web Architect**, Sep 2007-Jul 2010, Mindjet, San Francisco, CA

*Led Mindjet's initial Software as a Service (SaaS) product, Mindjet Catalyst. Transformed Mindjet's business model with the new service nearly doubling monthly revenue.*

*Ported* PHP website to ASP.NET

*Ported* Catalyst Flash client to standards based HTML5/canvas

*Architected* and led the team that implemented Mindjet Catalyst

**CEO / Founder**, Apr 2006-Sep 2007, Simple Software, Inc., San Francisco, CA

*Mr. Robison provided contracted software development and consulting, developed the Simple Software Application Platform that provided content management systems and business process management applications to small to mid-sized businesses.*

*GC Homes* - Contractor documents and blueprints online.

*BayDocs* - Document preparation services and tools for generating documentation for reverse mortgages

*HUD Calculator* - calculates potential reverse mortgage values

*Tzero Technology* - Custom content management system

*Metrika* - Custom content management system

**VP Engineering**, Jun 2004-Apr 2006, Genetic Savings & Clone, Sausalito, CA

*Genetic Savings & Clone was a genetic services company that offered commercial banking of genetic material as well as cloning services for cats. Responsible for architecting, developing and deploying Clonesoft, a bespoke business process automation software that ran every aspect of the company including employee and customer management, order tracking, tracking clone progress, and delivering the cloned pet to the customer.*

Cloned a cat and delivered it to customer

*Clonesoft* - Architected and implemented web-based business process application that was used to manage the animal gene banking and feline cloning business and automated many processes.

*CatBank* - <http://www.catbank.org/> Designed and developed database driven feline DNA identification website. Back-end requirements included integration with specialized gene analysis hardware which included the Applied Biosystem Genetic Analyser 3130.

Created and analyzed pet genotyping database, identifying 7 unique markers for traits such as Polycystic Kidney Disease (PKD), fur color, and polydactylism (6-toed cat).

Integration with gene analysis and sequencing hardware.

*Retro vs. Metro* - <http://www.retrovsmetro.org/> Implemented all backend code for this online companion website to the New York Time's bestseller *Retro vs. Metro - The Great Political Divide in America*. Required access and aggregation of various data items scattered across the Internet (such as the Iraq war dead count and real-time government deficit counter)

**Technical Director**, Dec 2001-Jun 2004, Inter@ctivate, Inc., San Diego, CA

*As Technical Director for Interactivate, Inc., Mr. Robison's responsibilities were extensive and included, but were not limited to managing and maintaining IT resources including customer applications and websites. Help grow the company from 10 to 65 employees.*

Designed and architected network infrastructure using both Windows servers and various legacy Unix boxes. Built out server clusters and managed a farm of over 60 machines including a SAN.

Designed and implemented web-based network management, monitoring & systems analysis tools

Developed web-based tools for creation and maintenance of customer websites, DNS, and email services.

Designed and developed email marketing application using 3 tier architecture and XML and XSLT for transporting and rendering email messages and associated web pages. As of December, 2003, the Activatemail system sends and tracks over 1,000,000 requested messages per day between 89 clients including Sunkist Growers, The California Avocado Commission, San Diego Zoo and many more.

Setup automated development environment which allows Interactivate developers to create their own dedicated web sandboxes via a web interface. Automated CVS checkouts and local network mounts to development sandboxes rounded out this implementation.

Installation & administration of Solaris, FreeBSD & Windows NT in a heterogeneous environment

Design, implementation, migration and maintenance for Interactivate's internal and external network infrastructure.

Working with vendors, developers & 3rd party integrators.

Maintain and monitor over 50 hosted client web sites and dozens of web applications

Identifying & resolving network related problems

Responsible for backup implementation and recovery strategy & procedures

Required to support high volume access & availability characteristics as well as identifying & resolving system hardware & software problems

Responsible for the full availability of DNS, SMTP, HTTP, POP & IMAP servers

Maintaining security for all Interactivate networks

## VOLUNTEERING

**Esteemed Leading Knight / House Committee Chair**, Apr 1, 2010-Apr 1, 2011, San Francisco Elks

Lodge #3

As Leading Knight and House Committee Chair I was responsible for the day-to-day operations of the Lodge restaurant and bar as well as organizing and holding events to raise money for local underprivileged children. During my tenure as House Committee Chair, with the help of the SFPD, we were able to build 100 bicycles to give as Christmas presents to children which were very well received. We raised over \$34,000 for the children in that year.

## REFERENCES

**Kevin Ready (Software Developer and Consultant)**

Chris has a broad understanding of Internet technologies and is generous with knowledge sharing. Equally at home working with Web Services, XMPP and server-side applications as he is working with CSS, JavaScript and the most recent HTML5 for devices. He brings a lot to a Web dev team and can pinch hit in a number of chairs.

**Thomas Weaver (Network Provisioner at Twitch)**

This guy has some seriously mad coding skills.

**Benoit Marsot (Senior Developer R&D at Medsphere Systems Corporation)**

His system is well oil; all my web services are working with no down time. He offers all the greatest gadgets, ideal environment for a programmer like me.

**Benoit Marsot (Senior Developer R&D at Medsphere Systems Corporation)**

Extreme knowledge of Perl and UNIX environment, fast programmer, brilliant manager.

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## AWARDS

**Computer Science Award**, Jun 1, 1988, Paradise High School

First recipient of the Paradise High School "Computer Science Award" for developing a data application to track school resources that ran on an Apple IIe.

## SKILLS

**Programming Languages**

Javascript [node.js]

Javascript [browser]

C

C++

Java

Kotlin

Objective-C

Swift

PHP

Python

Perl

Go

C#

Bash

### **Leadership**

Strategic Planning

Team Building

Team Leadership

Procedure Development

Process Improvement

Product Development

Entrepreneurship

Budgeting / Financial Planning

### **Software Engineering**

Best Practices

Entrepreneurship

Software Development

Microservices Architecture

Scrum / Agile

Mobile Application Development

Cloud Services

Service Integration

### **INTERESTS**

#### **Hobbies**

3D Printing

Raspberry Pi

Arduino

Laser engraving

Electronics

#### **Recreation**

Golf

Recreational Programming

Karaoke