

Profile	<p>I'm passionate about turning ideas into reality through code. With a unique blend of technical expertise, leadership skills, and business acumen, I excel in building robust, scalable software solutions. I'm proficient in a broad range of programming languages, including JavaScript, C, C++, Java, Python, Swift, Kotlin, Rust, Go, and more. My track record includes meeting tight deadlines and delivering polished, well-documented, and thoroughly tested products. Recently, I modernized D. Harris Tours by introducing AI-driven job scheduling and routing, doubling their revenue without increasing costs. Let's build something great together.</p>
Skills	<p>Programming Languages: Python, JavaScript [Node.js + Browser], Swift, Kotlin, Rust, Go, C, C++, Java, Objective-C, PHP, Perl, C#, Bash, and more...</p> <p>Leadership: Strategic Planning, Team Building, Team Leadership, Procedure Development, Process Improvement, Product Development, Entrepreneurship, Budgeting, Financial Planning</p> <p>Software Engineering: Best Practices, Microservices Architecture, Software Development, Scrum / Agile, Mobile Application Development, Cloud Services, Service Integration, Entrepreneurship</p>
Experience	<p>D. Harris Tours, Inc. Mar 2020 - Dec 2024 <i>CTO</i> Designed and implemented an end-to-end transportation management system CRM Scheduling (Drivers & Buses) Automated Notifications (Phone, Email, SMS) GPS Tracking of Assets Invoicing Payment Collection Customer Portal Led the technological transformation and streamlined business operations, expanding the fleet from 2 to 14 buses and growing daily revenue by 30%. Enhanced systems for real-time data on buses, automated maintenance, and trip confirmations via email and SMS. Implemented route optimization, increasing bus utilization and boosting daily revenue by 30% without additional operational costs.</p> <ul style="list-style-type: none">🔗 Redefined processes for quoting, fulfilling, and invoicing trips🔗 Automated email/SMS notifications for trips, driver confirmations, and maintenance🔗 Increased daily revenue by 30% with better trip optimization <p>Conversant, Inc. Jul 2010 - Mar 2020 <i>Manager, Software Engineering</i> 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.</p> <ul style="list-style-type: none">🔗 Contributed to IAB MRAID 2.0 standard🔗 Implemented MRAID SDKs on iOS and Android platforms🔗 Developed and deployed mobile ad solutions for multiple platforms, reaching over 20 million users daily.🔗 Designed and deployed 'Rich Media' ad delivery and reporting infrastructure, increasing ad viewability by 25%.🔗 Architected and deployed RESTful API for ad serving, tracking metrics and reporting, reducing API response times by 35%.🔗 Developed client-side Javascript 'ad controller' for mobile and web🔗 Developed flexible metrics tracking with non-blocking endpoints, reducing server load by 15%. <p>Mindjet Sep 2007 - Jul 2010 <i>Web Architect</i> 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.</p> <ul style="list-style-type: none">🔗 Ported PHP website to ASP.NET, improving site load times by 40%.🔗 Ported Catalyst Flash client to standards-based HTML5/canvas, reducing cross-platform compatibility issues by 90%.🔗 Architected and led the team that implemented Mindjet Catalyst, increasing monthly subscriptions by 80%. <p>Simple Software, Inc. Apr 2006 - Sep 2007 <i>CEO / Founder</i> Founded Simple Software to provide software development and consulting services. Developed the Simple Software Application Platform that provided content management systems and business process management applications to small to mid-sized businesses.</p> <ul style="list-style-type: none">🔗 Developed contractor document management system, reducing document processing time by 30%.🔗 Created custom content management systems for clients, leading to a 20% reduction in content management costs.🔗 Led various software development projects for small businesses, increasing client satisfaction by 25%. <p>Genetic Savings & Clone Jun 2004 - Apr 2006 <i>VP Engineering</i> Architected and developed Clonesoft, a bespoke business process automation software that ran every aspect of the company including employee and customer management, order tracking, and clone progress tracking. Also developed the CatBank database, a feline DNA identification website integrated with gene analysis hardware.</p> <ul style="list-style-type: none">🔗 Cloned a cat and delivered it to customer, increasing company visibility and leading to a 15% increase in genetic banking inquiries.🔗 Developed business process automation software for gene banking and cloning, reducing manual processing time by 50%.🔗 Created a pet genotyping database identifying unique genetic markers, streamlining gene analysis by 20%.

Inter@ctivate, Inc.

Technical Director

Managed and maintained IT resources, developed network management tools, and led the growth of the company from 10 to 65 employees.

Built and maintained customer websites and web applications, including email marketing tools that handled millions of messages daily.

- 🔗 Designed network infrastructure using Windows and Unix servers, reducing system downtime by 25%.
- 🔗 Developed web-based network management tools, improving IT team's response time by 30%.
- 🔗 Created an email marketing application handling millions of messages daily, increasing client engagement by 40%.

The Financial Cafe

Aug 2000 - Dec 2001

VP Engineering

Created web app for performing the first zero cost online stock trading. Grew company from 0 customers to over 20,000 active customers.

Food.com

Apr 1998 - Aug 2000

Web Architect

Designed and led team that implemented the worlds first online food ordering service. Required buildout of end-to-end communication system between restaurants, delivery services and our servers. Developed multiple order communication channels including phone (IVR), fax, hardware terminal or web app.

- 🔗 Created communication system to deliver orders to restaurants and delivery services
- 🔗 Created the 'Food.com Dining Guide', a curated list of restaurants with reviews and menus
- 🔗 Developed web app for browsing restaurants and menus and placing orders for delivery
- 🔗 Developed restaurant portal for restaurant owners to manage their menus and profile

Education

City College of San Francisco

Jan 2010

🎓 in Japanese, Business

California State University-Chico

Jan 1991

🎓 in Computer Science

Butte Community College

Jan 1990

🎓 in Computer Science, General Education