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OBJECTIVE

To improve the world through technology and leadership, by securing cyber systems and creating anti-fragile protocols and architectures.

Recent Employment

(May 2006 - May 2014) **Startup Founder & CTO**

Created a social community platform and took VC funding (2007), created a financial paper trading service/community (2009), developed and sold a Business wysiwyg solution for FB Page management (2010), merged with a social shopping marketplace with personalized product recommendations in a mobile app (2012).

- Created several companies, and led all aspects of technology and business. Over 15 employees at times. Millions of customers served.
- Architected and implemented API platforms, web and mobile clients for over 10 products/services.
- Wrote and self-published a short book on Facebook and the social networking space (2006)
- Recruited management/business teams. Sold and led many partner implementations.

Facebook, Palo Alto, CA

(May 2005 - May 2006) **Senior Software Engineer, Manager/Architect**

Early stage engineer, architected some and developed across many areas of the site.

- Led a team of 9 engineers over 4 months in building the Places infrastructure
- Apache/APC/mysql performance profiling, analysis and optimization
- Contributed to development across most features of the site

LookSmart, Ltd., San Francisco, CA

(July 1999 - May 2005) **Senior Software Engineer**

Designed and implemented complex internet applications, designed databases, conducted statistical analyses, developed product specs and revenue data models.

- Co-architected a full featured templating, customization and site delivery system in PHP; implemented most major modules. This PageComp platform continues to serve all of Looksmart's web properties.
- Lead engineer on findarticles.com, serving 8m free publication articles
- Company's technical expert on Search Engine Optimization
- Designed and built campaign planning tools, including a full prototype of the looklistings 2.0 pricing engine, and sales tools to estimate keyword volume.
- Migrated 200,000 Looksmart email users to a new authentication platform and user database.

(1995-1999) **Software Engineer/Analyst at Geoworks, Oracle, HAL/Fujitsu, HP, etc**

Education

University of California, Santa Cruz

M.S. in Social Psychology. (1996)

Focus on statistics, cross-cultural communication and computer modeling.

Macalester College, St. Paul, MN

B.A. with Honors, Psychology and International Studies (1994)

Extensive additional coursework in Computer Science, Mathematics and Economics.

International Christian University, Tokyo, Japan

Studied Chinese and Economics, most course work in Japanese. (1993)

Key Skills and Experience

- 15 years of web applications and server development experience, including as architect
 - Full stack Experience with highly scalable web services
 - Proficient in OO architecture and development in PHP, Perl and Java, on various linux/apache configurations.
 - Proficient in web application architecture and backend development, some front end ability with XML, XSLT, CSS, javascript/AJAX.
 - Asian Language Localization and Internationalization experience.
 - Some Mobile app development experience on iOS.
 - Some Python, Shell and R coding experience
- 10+ years database experience, both sysadmin and scripting
 - Data warehousing, web site deliver, and transaction processing with **Mysql** and Oracle v7-9
 - NoSQL with Memcache and MongoDB
 - Expertise in ER design, performance tuning, triggers, stored procedures, clusters.
 - 3 years **Oracle DBA**, almost an "Oracle Certified Professional".
 - Statistical and financial analyses in **SAS, SQL, PL/SQL**, Oracle Financial Analyzer.
 - Multidimensional database experience with Oracle Express. **ODBMS** in Versant.
- Sysadmin experience under **Solaris** and **Linux**
- Some knowledge of TCP/IP, HTTP, FTP, SMS, SMTP/POP3 protocols and FB Platform APIs. Comfortable implementing and extending most documented APIs.
- Languages: **English, Japanese, Czech**: native. Some Spanish, German, Mandarin. 1st Place: National Japanese Language Speech Contest, Washington D.C., 1994
- Excellent communication, writing and presentation skills
- Sales Management, Engineering Management, Product Manager and Sales Support experience.