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## At a Glance: Business brain. Hacker hands. Designer spirit. Human heart.

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- **Me:** Engineer and big-picture technologist with diverse business experience combining people skills, technical prowess, and organized management to get things done.
- **Goal:** Work with a team I love developing products & projects that excite me and have a positive impact on humanity.
- **Specialties:** Project & program management, team leadership, training and curriculum development, marketing and communications, socially responsible business.
- **Recent technologies:** Angular, Node.js, Javascript/Typescript, AWS infrastructure, Linux, SQL, ngRx/redux, Swagger/OpenAPI, Jenkins CI/CD, Web Audio API

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## Professional Experience

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### productOps, Software Engineer & Team Lead, 2014 - 2019

- Over the course of 5 years, I worked as a software developer, team lead, and project manager on multi-million-dollar projects.
- Specialized in ed-tech web apps, working with a project-based-learning nonprofit and the California Community Colleges system.
- Lead development, test and deployment efforts using Agile practices.
- Facilitated team conversations at all levels, from database schema with engineers to product strategy with clients.
- Developed best practices for automated browser testing and integration testing.
- Executed multiple data migration projects, moving large amounts of structured data between business systems.
- Focused on company culture and productivity.
  - Mentored new employees to accelerate ramp-up time
  - Facilitated engineering "book club" tackling software engineering topics one chapter-per-week
  - Developed & delivered Team Expectations training to make the company's engineering culture visible and tangible for new hires.

### Looker Data Sciences (acquired by Google), Docs & Training Guy, 2014

- Developed and delivered virtual class on programming LookML, a language for modeling SQL databases.
- Managed all documentation for Looker BI analytics software, including LookML language spec.
- Oversaw transition of docs platform from Jekyll to Statamic CMS to improve maintainability and agility.

### MapR Technologies (acquired by Hewlett Packard Enterprise), 2012 to 2014

#### Sr. Curriculum Developer, 2013 to 2014

- Grew Curriculum Development team to six, managing on-boarding and ramp-up plans for new hires.
- Created curriculum for Apache HBase schema design, including Java programming labs.
- Assisted in curriculum design and review for MapReduce programming in Java course.
- Scripted class lab environment setup, instantiating 10-node Hadoop clusters in Amazon AWS EC2 cloud.

#### Technical Writer, 2012

- Researched and wrote technical documentation for all aspects of MapR's Hadoop distribution.
- Authored installation and upgrade documentation for the MapR distribution of Apache Hadoop for Redhat and Ubuntu Linux environments.
- Wrote Confluence Wiki plug-ins to programmatically render docs pages.

## Marichiba Consulting, Principal, 2008 to 2012

Managed projects and programs for clients lacking time, capacity, or know-how. Clients include:

- [Hunter Finnell Media](#) – Designed and developed website and blog, showcasing the company's services with rich embedded video. Wrote all web copy. Administered the website, including all online video content.
- [In3 Finance](#) – Designed and developed website. Turned around complete website in under three weeks, focusing on polished, established look and feel for a financial services company.

## Altera Corporation (acquired by Intel), 1997 to 2006

### Publications Manager and Documentation Engineer, Altera Santa Cruz, 2003 to 2006

- Started a documentation group for Altera's system-on-chip design tools.
- Performed UI testing on alpha software, working with design team to improve user experience.
- Wrote and reviewed example C code for embedded processor systems.
- Translated "Engineerese" into English to produce clear, organized documentation.

### Product Marketing Engineer, Altera Santa Cruz, 2001 to 2003

- Developed and managed marketing campaigns for Altera's microprocessor products.
- Served as liaison between field and factory. Developed training for customers and sales force.

### Field Application Engineer, Altera Japan, 1997 to 2000

- Served as Altera's front-line of technical support in Japan.
- Trained customers on designing for FPGAs in Verilog and VHDL hardware description languages.

## Recent Projects & Other Interests

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- **Web Audio API experimenting** – As a lifelong musician I am enjoying playing with the new Web Audio API to make music entirely within a browser.
- **Santa Cruz Sunrise Rotary** – Rotary Club is my primary avenue for community service these days.
- **What Is Hadoop? video series for MapR** – A five-part introduction to Big Data and Hadoop technologies.
  - #1 hit on YouTube for search term "MapReduce" with 75,000+ views.
- **Learning Management System (LMS) for MapR** – Evaluation, purchase and implementation of enterprise LMS SaaS to provide web-based and blended learning platform for Hadoop developers and administrators.
- **ShareDiddy** – An app to catalog, coordinate, and share physical goods among users' social networks.
  - Produced prototype in two days using Agile "micro sprints" with a team of four at TechRaising 2012 Hack-a-Thon
  - Designed product concept, app functionality, and use-case storyboards. Project was admitted to Founders Institute.
- **International Experience** – Fluent Japanese language; lived in Japan for four years as a FPGA chip engineer.

## Education

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### Bachelor of Electrical and Computer Engineering, Bachelor of Science, Computer Science

University of Minnesota, Duluth – Graduated 1996, *magna cum laude*. Minor in Mathematics.

### MBA in Sustainable Management

Presidio School of Management, San Francisco, CA – Graduated 2009.