

A dedicated, resourceful problem-solver; a strong team player with **18** years of product development experience.

TECHNICAL SKILLS

- JavaScript, React, CSS, D3, Webpack, Automation, Node.js, Python, Java, C, C++, SQL, Docker, Hadoop, Machine Learning.

EXPERIENCE

Principal Software Engineer —

Cloudera, Palo Alto, CA, *1/2011 - Present*

- Early Member of the Cloudera Manager and the Cloudera Director team.
- Top committer with almost 7K Commits, 2M+ lines added, 3M+ lines removed across multiple projects.
- Received the 'One Cloudera' Award in 2018. (This award is for those who puts Cloudera first, always helping teammates, thinking cross-functionally, and doing what is right for the company as a whole).
- Two times hackathon winner. One time people's choice award.
- Drove to improve the upgrade experience. Analyzed the customer journey and coordinated various cross department efforts, proposed and implemented various solutions that helped with reducing customer confusion and support cost.
- Implemented most of the front-end for Hadoop related workflows, cloud deployment workflows, security workflows, installation and configuration management, monitoring features such as chart building, time series, dashboards, reports, alerts, log search, YARN and Impala resource management.
- Built a design system that is used across all six legacy Cloudera products.
- Design Evangelist, promoted the value of product design to other stakeholders.
- React Evangelist, promoted the value of React/Redux within the company.
- Promoted best practices for internationalization, usage analytics and end-to-end automation.
- Mentored junior co-workers/interns.

Principal Member of Technical Staff —

Oracle USA, Redwood Shores, CA, *6/2004 - 12/2010*

Tech Lead in Enterprise Manager Monitoring and Oracle Support portal.

- One of the projects was highlighted in Oracle Open World 2009, CEO Larry Ellison's keynote.
- Modularized 300K code into 22 libraries; Reduced compilation time by 6 fold.
- Re-architected code into dynamically loadable modules. Reduced initial payload by 40%.
- Implemented various backend web services (caching, proxies) and monitoring tools.

Associate —

Goldman Sachs Inc, New York, NY, *6/2001 - 8/2003*

- Consistently ranked in the top quartile in the 360° Annual Review System.
- Implemented reusable components and Excel-based financial models and risk analysis models.

Intern Research Engineer — Canon Information Systems Research, Australia, *12/1998 - 2/2000*

- Researched various image demodulation algorithms using Fourier Transform.

EDUCATION

M.S., Computer Science, Full Tuition Scholarship, GPA 3.9 — Cornell University, Ithaca, NY, *2004*

- Thesis: A data management system that searches heterogeneous data source using XQuery.
- Course Work: Database Implementation, Graphics, Distributed Systems, Networks, Scientific Computing

B.S., Computer Engineering, GPA 3.9 — University of New South Wales, Australia, *2000*

- Rank: 2^{nd} /111 students, Thesis Scholarship, Canon Academic Excellence Awards
- Thesis: A video annotation and search tool.
- Course Work: Algorithms, Operating System, OO Design, Database, Computer Architecture, Neural Networks, Image Processing.
- Teaching Assistant: Functional Programming, Algorithms
- Research Assistant: An open source, source-code search engine CVSSearch. Published in IEEE International Conference on Software Maintenance (ICSM 2001).

OTHER AWARDS

- Machine Learning from Coursera *2014*
- Toastmasters International *2009+*
- Member of Australian Mathematics Olympiad National Team Training Squad *1995 & 1996*
- Bronze Medallist in Asian Pacific Mathematics Olympiad *1996*
- Gold Medallist in Australian Mathematics Olympiad *1995 & 1996*
- Medallist in Australian Westpac Mathematics Competition *1991 & 1995*