

Joe Cheng

Software Programmer

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work / Onfolio, Inc.

January 2003 – present

Software programmer at a small startup founded and funded by J.J. Allaire. Build a cutting-edge .NET client app targeted at businesses and consumers. Designed and implemented fast, scalable, flexible object storage subsystem, featuring: cross-process eventing, transactions, full-text search, backward and forward compatibility, efficient BLOB support, garbage collection, much more. Implemented multiple end-user features including: property tray, pasting/dragging items to external applications, Copy Properties, Import/Export, Snippet Editor, several others.

Upromise, Inc.

January 2002 – December 2002

Feeds Developer (7/02–12/02): Build highly performant, scalable, and flexible Java software to parse millions of rows of transaction data sent to Upromise by some of the nation's largest retailers. Optimize performance through multithreading. *Application Developer (1/02–7/02)*: Developed and maintained middle tier Java components to support Upromise website, using BEA WebLogic and Oracle.

LOBBY7 Inc.

October 2001 – January 2002

Developed elegant, general-purpose taglib-based developer API for LOBBY7's multimodal application server technology. Devised and implemented sophisticated build, deploy, and (bootstrapping) install scripts using Ant. (Multimodal applications allow simultaneous voice, touch, and text inputs and audio and graphic output.)

Visible Markets Inc.

February 2000 – August 2001

Lead Web Developer and Usability Designer at an online exchange for fixed income securities. Designed interface and led front-end development of the Visible Marketplace, a scalable and robust exchange platform (over \$4 billion transacted in first six months) based on Java/J2EE (BEA WebLogic). Served as Technical Lead on multiple projects, overseeing technical design decisions and managing development milestones.

Freelance Web Consulting

Fall 1997 – January 2000

Provided consulting for a variety of clients, including an IBM-owned chemical consulting company, a venture capital firm, and dot-com startups. Services included design and development of production websites.

Andersen Consulting

Summer 1999

Summer intern (only one is chosen each year from MIT) on a systems testing team at a major insurance and investment company. Tested a life insurance policy administration software package.

Allaire Corp.

July 1997 – January 1999

Web design and application development for the makers of the HomeSite HTML editor and ColdFusion web application development system (now part of Macromedia). Designed and built an online store, a dynamic content publishing system, and a web-based e-mail client as example applications to ship with ColdFusion.

projects / The Action XChange

December 1996 – June 2001

Created and maintained one of the most widely acclaimed Adobe Photoshop resources on the web. Despite its highly specific target audience, the Action XChange received over one million page views (or 120,000 unique visitors) per month. Acquired by Adobe Systems in June 2001 and relaunched as Adobe Studio Exchange.

MIT Fall 1999 Career Fair

August 1999 – October 1999

Designed, created, and deployed MIT's first e-commerce application: an online registration and payment system for the largest career fair in MIT history. The application handled the registration of nearly 270 companies and over \$120,000 in online credit card transactions.

etc / Massachusetts Institute of Technology

September 1996 – June 2000

Bachelors in Management Science from the Sloan School of Management, specializing in Information Technology.

Relevant Skills

Extensive experience with: Java, C#, .NET, ColdFusion; design patterns, OOP; SQL, RDBMS; Photoshop, InDesign; DHTML, JavaScript. *Useful experience with:* Ruby, Python; Linux; XSLT; ANTLR, JavaCC.