

# Michael Chermide

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## 2 Sentence Summary:

I am a software developer with over 15 years of experience. I wish to work where I can make a difference: not just by creating great software, but also by improving the way development is done in my company.

## Technical Expertise:

**Languages:** I am a polyglot. I've used Java extensively since 1997. I am an active participant in the Python developers mailing list. I can use C, C++, JavaScript, SQL, and many others. I dabble in Scala, lisp, Haskell, and other less-common languages.

**Technologies:** I have over 12 years experience building web-based applications. I have used XML extensively. I can build threaded applications that are nearly bug-free. I've used Java such as J2EE, EJB, WebLogic, WebSphere.

**Beyond Code:** I write readable documentation and persuasive memos. I communicate well with "business" users. I am "decent" at public speaking. I am interested in the company's business, not just the software. I enjoy mentoring. I am constantly seeking to improve, both myself and the company.

## Career Experience:

### Architect

ING Direct, Wilmington DE

2002-present

An architect and leading developer for a major bank on a team with about 40 developers responsible for developing and maintaining all bank software: over \$1 billion managed per developer. My responsibilities included coding, debugging, system design, mentoring, technical lead, responsibility for project delivery, close interaction with customers, and team leadership.

- **Technical lead** on numerous projects. Responsible for estimation, helping define requirements, technical design, assigning work to developers (including myself), performing code reviews, managing the QA cycle and shepherding the release process. Managed several projects as large as 15 developers x 10 months.
- **Introduced unit testing.** I was the champion pushing for our team to adopt unit testing. Over the course of 2.5 yrs we went from no tests to over 45% coverage. Also went from substantial resistance by some in IT ("unit tests waste time") to universal agreement on testing with no one committing code unless the tests pass and a continuous integration server to verify it.
- **Designed, documented, and developed software for an advanced branch management scheme** based on Subversion. With this in place, the team manages an average of 6 projects (sometimes up to 10) under development and 3 in QA simultaneously while retaining the ability for the business to re-order releases on a whim.

- Improved and defined database “Design Patterns”. Then, after observing that most DB development effort was being spent on maintaining static “configuration” data, I implemented a system to automatically generate these scripts from files maintained under version control.
- **Championed Agile Development.** Spearheaded a campaign (against much resistance) to convince the company to change from a pure waterfall methodology to an “agile development” approach.

## Technical Lead

Destiny Software, Conshohocken PA and Chicago IL 1998-2002

Multifaceted position for a leading provider of internet consulting for financial services. Led development teams in work on and off client sites, architecting and developing java-based enterprise-level web applications for top-tier financial services companies.

- **Technical lead** for \$5 million project for Fleet Credit Card to process applications online. They became the second issuer ever to offer “instant credit” – the ability to use the card literally within 2 minutes of applying. Responsible for design, and for supervising development, testing, and integration into the client environment.
- **Designed and architected** object oriented systems, using UML methodology. Utilized use case analysis, class and interaction diagrams, architectural analysis, and so forth. Addressed issues such as concurrency, performance implications of architecture, legacy integration, and use of cutting edge technologies (EJBs in 1999).
- **Developed** code in Java (also C++, C, Perl, and Python). Reviewed code by other developers. Fixed lots of bugs (many of them my own).
- **Met with clients**, both on a technical and business level. Cajoled, applied pressure, and massaged egos as appropriate. Sometimes successful, sometimes not.
- Invited to help **found a new office** in Chicago. Spent two years there, charged with recreating the delivery-minded, open, and flexible culture of the home office.
- Defacto Technical Lead on project that **established partnership** with an India-based development firm. Successfully managed 24 hour development cycle.
- **Demonstrated flexibility** by performing various roles as needed. Interviewed candidates (1-6 interviews/week while hiring). Assisted with sales (eg: presented to Barclays Bank in London). Researched and evaluated products. Even hauled furniture to set up a new office!
- **Made a constructive difference in the company.** Received “Founders Fund” award for championing causes including “performing code reviews”, “revising company stock plan”, and “creating a reusable code library”. In each of these cases, I was the person who brought it up with the CEO, wrote up notes or documents, and kept people engaged until there was a consensus for change. This was my most significant contribution to Destiny.

**Computer Science Department Professor, Chairman**Hun School, Princeton NJ1995-1998

Member of the computer science faculty at a private college-preparatory high-school. Promoted to the chairman of the department, with responsibility for all computer courses and most computer use throughout the school.

- *Supervised* Computer Science faculty and provided leadership at the school through the role of Department Chair.
- *Taught courses* including Computer Applications, Introduction to Programming, Advanced Placement (college-level) Programming, Java Programming, and Advanced Web Design. Taught courses from 7<sup>th</sup> grade through college level.
- Managed budget of around *\$80,000* to support computer labs and department activities.
- Maintained and operated *over 60 computers* in 4 computer labs. Created program where I trained students to assist with the administration in lieu of hiring additional staff.
- *Developed curricula* for new courses on *Java Programming* (covering object-oriented programming, data structures, event-driven GUI interfaces, and use of threads) and *Advanced Web Design* (HTML, Pagemill, Photoshop, CGI programming, Javascript, and other web tools).
- Key member of the Technology Committee, responsible for *planning and implementing* a campus-wide fiber-optic/ethernet network and internet connection for around \$250,000.
- Orchestrated rollout of email system for Hun's 500 students and faculty members. Established policies, created training material, and installed and administered the software.

**Head Programmer**Strategic Simulations Inc., Ithaca NY1994-1995

Provided direct supervision and training for a team of 5 programmers working on "Corsim", one of the first micro-economic demographic simulation programs.

- *Maintained and extended* Corsim — a large demographic simulation modeling the population of the United States. Coding was in C.
- *Managed* a team of 5 programmers; also trained newly hired staff.
- *Proposed and designed* the use of a relational database for storing simulation data.
- *Implemented a GUI interface* in PowerBuilder for analyzing and reporting results. This eliminated the need to frequently repeat 20+ hour simulations.

**Education:**

<b>Cornell University:</b>	M.S.	1994	Materials Science and Engineering	GPA: 3.58
<b>Earlham College:</b>	B.A.	1992	Physics and Math (double major)	GPA: 3.95