

Extremely versatile software developer with over 20 years of experience, a record of producing tangible results and intellectual property, and a knack for helping teams be in the right place at the right time. Proven ability to design and implement intuitive, easy to learn, and easy to use software solutions independently or as a member of a team. Trustworthy, diplomatic, calm, resourceful, and especially skilled at taming complex problems.

PATENTS

Lead inventor: United States Patent 7,225,182 May 2007

“Recommending search terms using collaborative filtering and web spidering”.

Lead inventor: United States Patent 6,332,148 December 2001

“Appearance and positioning annotation text string and base text string specifying a rule that relates the formatting annotation, base text characters”.

EXPERIENCE

Independent Software Development October 2003 to present

- Developed a web application in Ruby/Rails/MySQL to provide database-driven camp and location information, process customer reservations and payments, and handle CRM for ABK BoardSports. <http://www.abkboardsports.com>
- Created multiple geospatial web applications using Ruby/Rails/PostgreSQL/PostGIS, then Python/Django for Urban Mapping Inc. <http://developer.urbanmapping.com/demo>
- Developed iPhone applications, one of which is available in the AppStore now, along with a push notification service involving an OAuth Consumer, Google App Engine, the Twitter API, a custom server application written with Python/Django/PostgreSQL, and Apple's push notification servers. <http://www.dublfab.com/howl>
- Created various Google Gadgets written primarily in Javascript communicating with a custom OAuth Provider written in C/Python/Django/PostgreSQL.
- An investment portfolio management web site to suit my personal needs complete with automatic FIFO lot matching, overrides for tax-advantaged non-FIFO lot matching, wash sale flagging and adjustment, realized/unrealized gains, corporate event handling such as symbol changes, splits, dividends, acquisitions, and rate of return calculations factoring in the time value of dividend payments. Originally created with Ruby/Rails/MySQL, then rewritten with Python/Django/PostgreSQL and an OCaml lot matching engine. I can demo this application on request.

Owner | Software Developer

Bonaire, Netherlands Antilles

Villa Bientu Bed & Breakfast

March 2005 to February 2007

- Owned, marketed, and operated Villa Bientu, a 4-unit bed & breakfast on the Caribbean island of Bonaire.
- Developed an outward facing web application using Ruby/Rails/MySQL to handle all self-service marketing, reservations, and payments.

Software Engineer | Engineering Manager

San Mateo, California

Overture Services Inc | Cadabra.com | Tesseract Inc

June 1998 to October 2003

- Designated as a “primary” contributor when Cadabra.com was acquired by Overture Services Inc.
- Independently identified a need for, implemented, and subsequently patented a search phrase recommendation engine in Java using a k-means based collaborative filtering system.
- Led a team of three developers in creating a books, music, and video comparison shopping engine.
- Created a metadata editor using Java/Swing/AWT for a reverse-chaining inference engine.

Software Engineer

San Mateo, California

Random Noise Inc

September 1997 to May 1998

- Created two area composition engines in record time for web page authoring and design, the first as a Java applet, and the second as a Javascript library which included linebreaking, hyphenation, sub/superscripted text and anchored floats long before they were supported natively by browsers.

Senior Software Engineer

San Jose, California

Adobe Systems Inc | Frame Technology Inc

September 1988 to September 1997

- Nearly 10 years of solid C programming experience.
- Just about every activity at Adobe and Frame revolved around developing features for the FrameMaker desktop publishing application. My specialty included development of the most advanced WYSIWYG area composition engine of its time, including a patented algorithm for Japanese text layout.

QA Engineer

Cupertino, California

Symantec Corporation

February 1987 to September 1988

- Wrote software quality assurance tools using Apple's software development tool of the time, MPW, for testing Q&A, Symantec's consumer oriented, flat-file database.

EDUCATION

BS Industrial Engineering

Cincinnati, Ohio

University of Cincinnati

September 1978 to May 1983