

GREGORY C. HARMAN

PROFESSIONAL EXPERIENCE

August 2004 – Present**DropFire, Inc.****Cambridge, MA***Chief Technology Officer*

- Technical director and chief architect/engineer for a software startup focused on wireless and integration technologies for the public sector.
- Selected and utilized software and hardware technology choices to implement complete product lineup and deploy in live mission-critical situations.
- Architected and oversaw the development of multiple complimentary product lines from concept through several production releases.
- Hired and managed staff of engineers, IT administrators and consultants.
- Primary technical point of contact for corporate partners, investors, major pre-sales efforts, and seminars.
- Active member of executive committee, which plans company strategy, investment, partnership, sales efforts, and operational issues.

June 2003 – August 2004**Back Bay Technologies, Inc.****Needham, MA***Consulting Architect*

- Three Rivers Administrative Services, Monroeville, PA. Designed server architecture for a mission-critical application to enable clustering and high-availability. Infrastructure was made up of five virtual server components using IBM software technologies (WebSphere Application Server, WebSphere Edge Server, and DB2).
- Allmerica Financial, Worcester, MA. Validated target architecture for enterprise-wide service-oriented architecture (SOA) initiative. Provided recommendations for migration plan on technical, strategic, and personnel levels.
- Textron, Providence, RI. HRInvent/Generic Adapter enhancements. Responsible for design, implementation, and support for integration of PeopleSoft to disparate benefits systems including Fidelity, Putnam, Captura Time & Expense, Convergys, and ADP. Designed and implemented feature additions to the underlying J2EE-based integration utility. Responsible for creation of production environment and certification of platform across several major application servers, operating systems, and databases including JBoss, WebSphere, Solaris, Windows, Oracle, DB2, MySQL, MSSQL, and WBI.
- Textron, Providence, RI. Generic TBAS/Sun ID Server/Sun Directory Server integration with enterprise portal. Involved with feature enhancement and client application configuration on general authentication system. Enhancements include integration with SUN ID Server, addition of encryption algorithm, internationalization, and interstitial page capability to support single sign-on (SSO) for all portal applications. Produced and administered training session to educate client IT Personnel on designs and ongoing support and enhancement issues and techniques.
- Paragon Dynamics, Aurora, CO. Led client engineering team in upgrading enterprise collaboration product from a Weblogic 5.X base to the SUN JES v7 and JBoss. Chose development infrastructure components and methodologies and managed the cooperative utilization of said infrastructure to ensure an improved level of scalability and manageability.
- BEA Systems, Multiple Locations. Designed and implemented a comprehensive financial services portal, the first complete third-party application created to utilize BEA's complete version 8.1 product stack. Portal completely built with included tools, and includes

components built with WLI, Liquid Data, and webflows. Presented portal to BEA sales teams for integration into their sales collateral.

May 2002 – Present **Harman Technologies, Inc.** **Cambridge, MA**
Independent Consultant

- Internet Portal Startup, Cambridge, MA. Architected and managed the implementation of an Ajax-based online portal, discussion board, and statistical mapping application.
- Document Management Company, Framingham, MA. Designed and implemented an integration application and associated UI to integrate company's proprietary document management and distribution system with WebSphere and IBM Content Manager. Integrated product UI with WebSphere Portal Server.
- Massachusetts Institute of Technology (MIT), Cambridge, MA. Created Microsoft-based online infrastructure and registration system for large student program; project included designing and implementing client-level UI, intermediate business logic, and underlying database schema and data structure. Designed, implemented, and provided support of and enhancements for a portable, lightweight CRM system. Designed and managed the team creation of a Java-based numerics presentation system customized for fluid mechanics applications.
- Citibank, New York, NY. Implemented pilot for J2EE-based integration application. Functioned as a product specialist and provided support and environment configuration assistance.
- Public Safety Technology Company, Cambridge, MA. Designed and implemented Struts-based system to enable wireless manipulation of multimedia data. Created data architecture and mapping capabilities to allow back-end collaboration.

May 2000 – May 2002 **Clickmarks, Inc.** **Fremont, CA**
Lead Technology Evangelist, Asia/Pacific Region

- Primary technical point of contact for all customers and strategic investors in the Asia/Pacific region, which comprised 50% of company revenues and a majority of new strategic investment.
- Implemented and directed the online developers' support forum. Product being supported was a platform-independent graphical Enterprise Application Integration (EAI) and mobilization toolset. Different supported versions of the product were built around J2EE, J2SE, and Perl/CGI platforms. Forum included product training and trainer certification classes.
- Produced internal and external technical marketing documentation and whitepapers, including one published article and three patent applications based on previous engineering work.
- Frequently conducted on-site technical lectures, sales support, training, demonstrations, and developer support in both pre-sale and post-sale stages to companies such as NTT DoCoMo, BEA, Citibank, NTC, NEC Soft, Compaq, Nihon Unisys, and Unisys NZ.

Sr. Software Engineer

- Produced high-level architectures and functional specifications based on product marketing requirements, and led the cooperative implementation of these projects by teams of up to seven engineers.
- Developed an expertise in mobile technologies and enterprise application integration (EAI), particularly for web-based applications.

- Delivered high-impact products, such as the first full version of the Clickmarks Mobilization Platform (the basis for the company's entire current line of products) and the Vizzavi WAP Portal, a wireless portal released to 100,000 users, and later expanded to cover nearly 1 million users in four countries.
- Led the upgrade effort to re-architect the original product line at both code and data level and produced the 2.0 version of the company's main product line.

September, 1999 – April, 2000 **PeopleStream.com** **Cambridge, MA**
Software Engineer

- Developed a dynamic web-based application for professional networking.
- Worked primarily on a three-tiered web & database application based on Microsoft technologies.
- Developed database triggers and stored procedures to automate routine business logic.

TECHNOLOGY EXPERIENCE

Application Servers and Platforms: WebLogic, WebSphere, JBoss, Tomcat, Apache, SunONE/Sun JES, AllegroServe

Integration Technologies: Web Services, WebLogic Integration (WLI), WebLogic Liquid Data, WebSphere Business Integration (WBI), Java Message Services (JMS), Level 8 (Cicero), DropFire Data Integration

Programming Languages: Java/J2EE, Javascript/AJAX, Lisp, C#.NET, SQL (T-SQL, PL/SQL), XML/XSL, Visual Basic/ASP, HTML, Perl, Unix Shell Scripting, ANT

Web Application Frameworks: Jakarta Struts, Spring, JSF, .NET

RDBMS: Oracle, MS SQLServer, DB2, MySQL, FirebirdSQL

EDUCATION

Massachusetts Institute of Technology (MIT) **Cambridge, MA**
M.Eng. in Electrical Engineering and Computer Science, 2001
B.S. in Electrical Engineering, 1999