Damon Sicore

132 Ridge Crest Street
Red Oak, TX 75154
512-963-5126
damon@sicore.com
https://damon.sicore.com

ACHIEVEMENTS:

Produced 30 major releases of Firefox; World-record holder for *Most Software Downloaded in a Single Day* for Firefox 4; Est. Number of Users impacted: 5 billion people; Deployed one-billion Wikipedia instances on mobile devices in China in 2016; Built Mozilla engineering from 18 engineers to over 600; Formed teams and efforts and created *Firefox for Android*, the *Rust Programming Language, WebGL, FirefoxOS, WebAssembly*, and *Mozilla Research*. Formed performance team at Wikimedia and *doubled the performance of Wikipedia for the world*; Eliminated all Critical Security Bugs in Firefox.

CURRENT POSITION:

NEAR Protocol, Inc. – *January, 2020 to Present.*

Vice President of Engineering – Responsible for the development of the NEAR Protocol decentralized ledger engineering project. Responsible for Infrastructure, Open Finance, and Ecosystem Engineering. https://near.org

Monadic.us – https://monadic.us. – *March, 2016 to December, 2020.*

Executive Director – Computer science and engineering mentor program for education and community development. Research and development of https://Prolog.Computer, a trust-based A.I. environment for students and teachers.

PROFESSIONAL KNOWLEDGE:

Special Interests: Trust-based Artificial Intelligence, A.I. Pedagogies, Natural Language Processing, Collaborative Computational Topic Modeling, Logic Programming, Mathematics: Trust Metrics, Computational Linguistics, Graph and Search Theory, Computational Topology, Machine Learning, Statistical Modeling, Cellular Automata, Probablility Theory.

Primary Knowledge Languages: Prolog 35 yr.[1], Java 15 yr., C++ 6 yr., C 8 yr.

Primary Knowledge: Programming Languages, Logic and Functional Programming, Distributed Development Methodologies: Agile, Extreme Programming, etc., Operating Systems, Networks, and Software Engineering, Organizational Behavior, Psychology and Group Psychotherapy, and Leadership.

Language Knowledge: Rust, Haskell, JavaScript, Python, Ada, Pascal, Lisp, Fortran, Motorola 680x0 Assembly, IBM 370 Assembly, Numerous markup languages like HTML, SQL and PL/SQL.

Additional Knowledge: Cryptography and digital security (encryption technologies), Embedded systems, peer-to-peer agents, blockchain theory and applications, JBoss AS Applied Architectures, System Administration (router and firewall configuration, Sendmail, ipchains, DNS/bind, Tripwire, Linux kernel, bash, sed, awk, backup and recovery, Samba, NFS, LDAP, PGP/gnupg, clustering and load-balancing, and general TCP/IP networking).

Leadership Knowledge: Experienced executive capable of leading all aspects of a company in addition to engineering and product management. Organizational Development, Management Systems and

---

[1]This is an attempt at humor as I've been intrigued by Prolog since I was age 12; however I've only used it professionally in recent years as hardware has finally caught up to support it.

Control (Project Management), Software Configuration Managment, Organizational Behavior, Human Resource Management, and the Management Process. Professional leadership consultant and mentor.

Teaching and Training: Professional Instructor of JBoss Application Server Advanced J2EE classes, and J2EE System Administration using JBoss. Instructor for Revision Control using Subversion classes.

Specialized Technologies: All Java and J2EE Technologies: EJB3 (and 2.0) JSP, JMS, Transactions, JDBC, XML, JNDI, Servlets (Resin, JRun, JServ, Jakarta-Tomcat), AOP (Aspect Oriented Programming), XDoclet and attribute-oriented programming, CORBA (Visigenic, Orbix, and Sun implementations).

Enterprise Servers: JBoss Application Server (used professionally since inception), JBoss Portal 2.x, Weblogic Application Servers, Weblogic Personalization/Commerce Server 3.51, Weblogic (5.1.0 and 4.5.1), ATG Dynamo, SilverStream, WebSphere, Orion.

Operating Systems Knowledge: UNIX (Linux, Darwin, Embedded Linux, FreeBSD, OpenBSD, Solaris, AIX, and HPUX), OS X, Windows XP/2K/NT/95, OS/2, Novell Netware, Vax/VMS, VM, Stratus VOS, MS-DOS.

Databases: NoSQL, Oracle, DB2 (Universal DB), PostgreSQL, MySQL, MS SQLServer, Sybase, and various embedded databases.

UML and Object-oriented Tools: TogetherJ (Control Center and Together), Rational Rose.

Webservers: Apache and iPlanet.

Special Purpose Hardware/Software: gcc, make, ANT, Visual C++, Subversion, CVS, Visual Source Safe, PVCS, XWindow, Apriori, TeX, LaTeX. Maven.

EXPERIENCE:

Wikimedia Foundation, San Francisco, CA. − *February 2015 to July 2015.*

Vice President of Engineering, Head of Product– Promoted to Head of Product in addition to VP of Engineering. Responsible for the editing, reading, and mobile software product direction and planning for Wikimedia (Wikipedia and supporting projects).

Wikimedia Foundation, San Francisco, CA. − *September 2014 to February 2015.*

Vice President of Engineering– Responsible for Wikipedia Engineering, a team of 160 engineers developing the software, infrastructure, security, IT/Ops, Fundraising tech, and QA for Wikipedia.

Edmodo, Inc., San Mateo, CA. − *March 2013 to June 2014.*

Vice President of Engineering– Responsible for the engineering, security, IT/Ops, Support, and QA of Edmodo, an education and school-based social network with over 18 million users.

Mozilla Corporation, Mountain View, CA. − *November 2010 to February 2013.*

Vice President of Engineering– Built and led a team of over 600 open source software engineers, technical leads, managers, and directors developing the Firefox Web browser, the Mozilla open source platform, Firefox for Android, and FirefoxOS. Firefox has almost half a billion daily users, and my mission is to ensure choice and innovation–pushing the Web forward–by creating the best browser in the world.

Mozilla Corporation, Mountain View, CA. – *January 2007 to November 2010.*

Sr. Director of Platform Engineering– Joined Mozilla as a director in 2007 to lead a team 22 engineers. Expanded platform engineering to over 75 open source software engineers, technical leads, and managers to develop the Mozilla platform, consisting of several foundational subsystems on which many products are developed (e.g., Firefox, SeaMonkey, Thunderbird, etc.). Oversaw four teams, each with managers reporting directly to me: JavaScript, Layout, Content, and Graphics as well as contractors and direct reports. Responsible for driving releases, organizational development and structure, overall goal-setting, scheduling, management, hiring, and compensation activities for the Mozilla platform team. Most notable achievements so far is driving the platform for Firefox 3, 3.5, and 3.6 which is used by hundreds of millions of users on a daily basis. Drove the platform for Firefox 4.0, a major version of Firefox.

JBoss, Inc., Austin, TX. – *December 2004 to January 2007,*

Lead of JBoss Labs and Development Manager– Responsible for JBoss Labs as well as lead of the open source projects: JBoss Wiki and Shotoku. JBoss Labs is the community site for all JBoss projects and is a complete open source hosting facility; JBoss Labs consists of portal framework and a complete revision control system using Subversion, JBoss Portal 2.2, JBoss Wiki, Shotoku, and JBoss Forum integrations to host open source projects. Additional duties include:

- Professional Instructor for JBoss Advanced J2EE Development and Administration Training classes at corporations and public trainings and around the world.

- Travel and give speeches about cutting edge Java technologies and the Open Source development methodology.

- Write articles about JBoss and other open source technologies and projects.

- Produce video and audio podcasts to help open source projects communicate ideas in the community

- Manage resources and duties of developers living around the world, working on JBoss Labs and other JBoss projects.

- Task creation, tracking, and actual development duties.

- Change management duties such as creation of policies and best practices for JBoss.

- Developed JBoss' svn code repository branching policies.

- Develop J2EE applications for JBoss Labs and JBoss Portal.

- Track and monitor all JBoss Open Source projects using metrics developed in JBoss Labs.

Transplace, Inc., Plano, TX. – *December 2002 to December 2004,*

Director of Change Management– Responsible for establishing Change Management practices for all Transplace development.

- Specified and implemented revision control and code promotion policies and procedures.

- Trained 45+ developers in Subversion and revision control concepts.

- System administration of all change managments systems (Solaris, FreeBSD, and Linux).

Additional responsibilities included being the resident JBoss and J2EE application server systems expert working with individual developers to help them expand their skill sets.

Ipseity Consulting, LLC. – *August 2000 to December 2002*

Software Architect– Created a company providing software architecture, design, and programming for companies in need of immediate senior Internet software architecture knowledge and experience. Services range from complete Java distributed computing and enterprise-wide architectures to small consumer-oriented embedded devices. Projects include:

- *Transplace, Inc., Plano, TX, Consulting Software Architect*– Hired as JBoss expert in order to support production, test, and development JBoss deployments at Transplace. Transplace has over 15 instances of JBoss and my duties included:

  - Ensuring that all JBoss deployments are standardized and use best practices.
  - Instruct developers on the best development and deployment techniques using JBoss.
  - Enable the use of JBoss AS Clustering in the enterprise.
  - Deliver a build mechanism utilizing XDoclet in order to reduce developer time spent writing J2EE interfaces.

- *Alliance Data Systems, Inc. Dallas, TX, Consulting Software Architect*– Responsible for leading the ADS development team to design and implement their Customer Service Representative, Account Reporting, and Fees Processing applications using a J2EE architecture. Additionally, Rearchitected entire existing code base to be a solid multi-tiered J2EE system, to utilize a standard build system, and to implement attribute-oriented programming. Utilized the following components:

  - JBoss General Architecture, ver. 3.2.1 – Integrated JBoss with existing BEA Weblogic and mainframe applications in order to replace BEA with JBoss.
  - Tomcat J2EE Web Applications – All applications were built to the latest Sun Web application specs and bundled accordingly.
  - DB2 and Oracle Databases – Integrated primary and data warehouse databases to provide sophisticated reporting application. Live data on an OS/390 mainframe, while warehoused data was stored in Oracle.
  - XDoclets – Implemented attribute-oriented programming to reduce writing of repetitive code and streamline development processes.

  Additionally provided networking and application security services as a Unix system administration and security expert, and implemented their bug tracking processes using Bugzilla

- *Sony Music New Technologies, Inc. San Francisco, CA, Consulting Software Architect*– Assisted Sony to build their Affinity Platform.

- *Tacit Knowledge Systems, Inc. Palo Alto, CA, Consulting Software Architect*– Assisted in porting Tacit Knowlege Systems' application (Expertise Services Platform) to Oracle from SQLServer.

- *Consulting Software Architect*– Worked with various corporate development teams to provide senior and immediate experience to their development efforts. Projects included:

  - JBoss Open Source EJB Server Applications– Message driven EJB architectures for remote client data distribution and transaction processing.
  - Weblogic 5.1– EJB backend architecture for managing transactions.
  - Resin JSP– Servlet/JSP infrastructures.
  - Oracle 8i
  - PostgreSQL–Database for transactions.
  - Swing GUI Client front ends for server configuration and monitoring
  - Together Control Center–Complete design/documentation of entire architectures.

  In addition to authoring applications, services included:

  - Network and application level security consulting services,
  - Unix system administration services,
  - Integration and support services.

4

EXPERIENCE, CONT.:

Creditland.com – *August 1999 to August 2000*

> ***Sr. Software Architect***– Designed and implemented an EJB solution as the core foundation of Creditland's Web site. Created the site using WebLogic 4.5.1 on Solaris as the JSP (load-balanced with Apache), Servlet, and EJB server driving Oracle 8.0.5 and 8i databases. Created the architecture from start to finish as a complete implementation of Creditland's Web site. Architected and implemented the decisioning interface between Creditland's application server and the proprietary decisioning engine via a unique Enterprise Java Bean solution. Team lead on the project and responsible for peer reviews and development methodologies. Other key technologies on which I focus include:
>
>> - Load balancing techniques for farmed Web servers;
>> - XML generation for data interchange;
>> - Web caching techniques using the latest hardware and software;
>> - Business to business Internet interfaces;
>> - Transaction management between farmed and clustered application servers;
>> - Client/server code design and optimization to boost application/site performance to its maximum in a distributed environment.

Deloitte & Touche Consulting, DRT Systems –*March 1999 to August 1999*

> ***Consultant***– Joined the Distributed Computing Practice with DRT Systems.

> ***Technical Manager, Business Process Outsourcing Project*** – Managed team of nine software engineers to architect solutions for Web-based business processes for a major life insurance company. Projects include an automated underwriting engine implemented using a Java CORBA distributed solution, assessing an Enterprise Java Bean underwriting solution, commission statements presented on the Web for remote agents using Java Servlets pulling from Oracle databases, and business automation using NeuronData's Elements Advisor rules engine to streamline workflow. Solutions provided were engineered in a heterogeneous environment consisting of Solaris, NT, AS/400, Oracle, Novell, OS/2, and proprietary imaging systems. Goals include providing a complete Java and Sun solution for new business processes on the Web.

> ***SilverStream Load Balancing and Security*** – Participated in a focused study of the SilverStream application server's load balancing, failover, and security capabilities.

ADAC Healthcare Information Systems – *June 1996 to March 1999*

> ***Sr. Software Engineer*** – Design, documentation, and coding of Java applications using Oracle databases via CORBA and JDBC as a client/server solution for a radiology information system. Object oriented development tools include: Rational Rose for Java, Visual Cafe Professional 2.5, Visual C++ 5.0, and Visual J++. Software packages also include the use of Visigenic VisiBroker 3.2 and Weblogic dbKona, all versions of JDK, Swing, and JFC, and Visual Basic. Projects include development of Java-to-native code network communication through CORBA and JNI, C++, DLLs, GUI interfaces, and business model/rules design and coding with thorough documentation. Application focuses on Web-enabled solution for physicians to access an Oracle database and send transactions to external devices/systems such as email/fax/printing and interfaces with other healthcare information systems.

> ***DIN-PACS: Digital Imaging Network: Picture Archiving and Communications System*** – PowerPACS Worklists are the central feature of ADAC's DIN-PACS solution. The worklists are used to manage the work within the radiology department and provide metrics for the radiology department to allow more efficient operation. The worklists are integrated into the RIS, the Quality Control Imaging Workstations and Diagnostic Imaging Workstations via a C++ to Java CORBA interface which I developed to access an Oracle database via JDBC.

Interface Software Engineer – Design, engineering, and implementation of network interfaces between client/server applications, databases (Oracle), and remote systems in the healthcare arena. Object-oriented programming and C programming on various platforms. Project utilized the CAI Interface Engine/Integrated Development Environment (TDM) for the development of TCP/IP communications between UNIX (HP, DEC, AIX, SunOS, SCO), Windows NT, and Windows95 operating systems. Incorporated Java into existing client/server applications and interfaces. Previous projects: HL7 Interfaces, Installations, and Interface Support.

CERTIFICATIONS:

Sun Certified Programmer for the Java 2 Platform.

EDUCATION:

Texas A&M University
College Station, TX
Bachelor of Computer Science with a minor in Management.
May 1996

References Available Upon Request.