Curriculum Vitae

Samuel H. Brannen, Jr.

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Place of birth: Atlanta, Georgia, USA
Nationality: US Citizen

Introduction

Sam Brannen is a senior software architect with over 10 years' experience involving agile software development practices, analysis, design, implementation, and testing of enterprise Java applications using OSGi, open source technologies, and the Spring Framework. Sam is a regular speaker at conferences on Java, Spring, and OSGi, and is an active member of the open source community.

Professional Experience

Feb. 2009 – **Software Architect** at **Brannen Software Consulting**
Meilen, Switzerland (http://sambrannen.com)

Software consulting and coaching focused on agile software development practices, software analysis and design, and implementation of custom-tailored, enterprise Java applications using open source products and the Spring Framework.

- Consultation on migration strategies from ATG Dynamo to Spring, Hibernate, and open source technologies
- Co-author of *Spring in a Nutshell* (O'Reilly, 2010)
- Spring Framework committer and active member of the open source community
- Speaker at international conferences on Java and Spring
- Technologies: Java SE, Java EE, OSGi, JSP, Java Servlets, Spring Framework, Spring TestContext Framework, Spring MVC, Spring Web Flow, Spring JavaScript, Spring Security, Spring DM, Spring Integration, JPA, Hibernate, JDBC, SQL, Ant, JUnit, DbUnit, XML, XHTML, CSS, JavaScript, Velocity, Apache Tomcat, Apache Web Server, SpringSource dm Server, MySQL, Mac OS, Windows XP, Linux, Eclipse, SpringSource Tool Suite, UML

Jul. 2007 – Feb. 2009 **Senior Software Engineer** at **SpringSource Limited**
Southampton, England (http://www.springsource.com)
(*formerly Interface21 Limited*)

- Architecture, design, implementation, and testing of enterprise Java software and middleware
- Client engagements including on-site consulting
- Development of personal public profile including speaking engagements at international conferences and local user groups, webinars, blogs, forum support, and book reviews
- Mentoring and coaching of junior developers
- Product documentation and creation of sample applications for end-users

Spring Framework, Core Developer

- Design and implementation of the Spring TestContext Framework, an annotation-driven unit and integration testing framework for use with Java 5, JUnit 3.8, JUnit 4.4, and TestNG, which has become the de facto standard testing framework for Spring applications
- Implementation of new features in the Spring Framework,

enhancements, bug fixes, testing, and documentation
- Technologies: Java 5, Java 6, Java EE, JSP, Java Servlets, Spring Framework, Spring MVC, Hibernate, TopLink, JPA, JDBC, SQL, Ant, JUnit, TestNG, DbUnit, CVS, DocBook, XML, XHTML, CSS, Apache Tomcat, MySQL, HSQLDB, Mac OS, Windows XP, Linux, Eclipse, UML, JIRA, Bamboo, FishEye, Confluence

SpringSource dm Server, Core Developer

- Technical lead for web application deployment models (e.g., shared libraries WAR, shared services WAR, and Web Module) and embedding of an OSGi-enabled Apache Tomcat Servlet container in the dm Server.
- Design and implementation of an innovative integration testing framework for testing OSGi applications on the SpringSource dm Server with the Spring TestContext Framework.
- Technologies: Java 5, Java 6, Java EE, JSP, Java Servlets, OSGi, Spring Framework, Spring DM, Spring MVC, Spring Web Flow, Spring Security, Hibernate, JPA, EclipseLink, JDBC, SQL, Ant, Ivy, bnd, Subversion, JUnit, Clover, FindBugs, XML, XHTML, CSS, JavaScript, SpringSource dm Server, Apache Tomcat, Apache Web Server, MySQL, HSQLDB, Mac OS, Windows XP, Eclipse, SpringSource Tool Suite, OmniGraffle, UML, JIRA, Bamboo, FishEye, Crucible, Confluence

May 2005 – Jul. 2007 **Software Architect** at **Brannen Software Consulting**
Offenbach am Main, Germany (http://sambrannen.com)

Software consulting focused on the design of complex software architecture and the implementation of custom software solutions. Core competence lies in the development of multi-tiered, web-based client-server applications using Java (J2EE/Java EE) and the Spring Framework.

Migration of a leading German online trading platform

- Migration of an online trading platform from ATG Dynamo Application Server and ATG Dynamo Application Framework technologies to an open source solution based on Sun Java System Application Server, Spring Framework, and Hibernate
- Lead Software Architect: analysis of existing ATG architecture and implementation, requirements analysis and technology selection for the target platform, migration strategies and proof of concept implementation, technical architecture and design, coaching, unit and integration testing
- Technologies: Java EE, Java Servlets, JSP, JSTL, Spring Framework, Spring MVC, Acegi Security, Hibernate, JDBC, SQL, Maven, JUnit, XML, XHTML, JavaScript, ATG Dynamo Application Server, Sun Java System Application Server, Oracle RDBMS, Linux, Solaris, Eclipse, MS Word, MS Excel

Zeeya.net (http://www.zeeya.net)

- Multilingual, international, social networking platform for college and university students
- Concept, software architecture, system design, implementation, testing, coaching, and system administration
- Technologies: Java 5, J2EE/JEE, JSP, Java Servlets, Spring Framework, Spring MVC, Spring Web Flow, Acegi Security, Hibernate, JDBC, SQL, Ant, JUnit, DbUnit, XML, XHTML, CSS, JavaScript, PHP, Velocity, Apache Tomcat, Apache Web Server, JBoss Application Server, MySQL, Windows XP, Linux, Eclipse, Enterprise Architect, UML

Payment service for a leading German credit card company

- Online payment system which allows customers to schedule one-time payments and recurring payments from their credit card accounts
- Requirements analysis, technical architecture and design, system conceptualization, use cases, class diagrams, sequence diagrams, ER diagrams, interface to third-party systems, test cases, process flow charts

- Technologies: Java (J2EE), JSP, Java Servlets, Spring Framework, Spring MVC, Spring Web Flow, Hibernate, JDBC, SQL, Ant, JUnit, XML, Apache Tomcat, Apache Web Server, Oracle RDBMS, Linux, Eclipse, Enterprise Architect, UML, MS Word, MS Excel

Financing application platform for a leading German bank

- Relaunch of an online financing application which allows customers to apply for direct financing or for immediate approval for a financing loan certificate
- Requirements analysis, technical architecture and design, use cases, class diagrams, sequence diagrams, ER diagrams, interface to third-party systems, test cases, process flow charts, coaching, implementation, testing
- Technologies: Java (J2EE), Java Servlets, Struts, Spring Framework, JDBC, SQL, Ant, JUnit, XML, JavaScript, BEA WebLogic, Oracle RDBMS, Linux, Solaris, Eclipse, Enterprise Architect, UML, MS Word, MS Excel, MS Visio

Bank search web service for a leading German bank

- XML (RPC) based web service for performing bank searches based on bank codes and address data
- Requirements analysis, software architecture, design, implementation, testing
- Technologies: Java (J2EE), Java Servlets, Spring Framework, Ant, JUnit, XML, Apache Tomcat, Jetty Web Server, Linux, Eclipse

Aug. 2001 – Apr. 2005 **Senior Software Engineer** at **namics (deutschland) gmbh**
Frankfurt am Main, Germany (http://www.namics.com/)
(Software Engineer, Aug. 2001 – Dec. 2002)

Internet, Intranet, and Extranet applications

- Requirements analysis, technical architecture and design, system conceptualization
- Development, implementation, and test cases
- In-depth involvement in assisting business consultants and project leaders throughout the project life-cycle
- Internal and external trainings
- Served as Technical Lead and Coach for other developers within the team as well as a mentor for interns
- Focus on scalable, multi-tiered web applications, including enterprise level Content Management Systems such as Interwoven TeamSite (J2EE and Perl) and Day Communiqué (J2EE)
- Accelerated time-to-market solutions utilizing LAMP architectures (Linux, Apache, MySQL, PHP)
- Technologies: Java (J2EE), JSP, Java Servlets, JDBC, SQL, iText PDF Library, Ant, JUnit, CruiseControl, Spring Framework, XML, SOAP, Perl, PHP, ASP, HTML, CSS, JavaScript, ECMA Script, Apache Web Server, BEA WebLogic, MS IIS, MS SQL Server, MySQL, Oracle, Windows NT/2000/XP, Linux, Sun Solaris

Jan. 2000 – Aug. 2001 **Software Engineer Level 2** at **aeonware AG**
Stuttgart, Germany
(Software Engineer Level 1, Jan. 2000 – Dec. 2000)

Java based E-Commerce solutions

- E-Commerce applications for B2B and B2C marketplaces built on the aeonware MARK/8 application suite
- Research and Development (R&D)
- Object Oriented Analysis and Design (OOA/OOD) of the software
- Design, development, and implementation
- Customer training
- Technologies: Java, Java Servlets, JSP, WebMacro, JDBC, SQL, XML,

HTML, CSS, JavaScript, Jakarta Tomcat, Caucho Resin, New Atlanta ServletExec, Oracle, IBM DB2, Microsoft SQL Server

Nov. 1998 – Dec. 1999 **Software Engineer** at **Intellimedia Commerce, Inc.,** Atlanta, GA, USA

Development of web applications

Technologies: Java, Java Servlets, JDBC, SQL, CGI, HTML, MS IIS, MS SQL Server, MS Access, IBM WebSphere

1996 – 1998 Internship at **LXE, Inc.**, Norcross, GA, USA. (http://www.lxe.com/)
Software Engineering Intern: Fall 1996, Spring 1997, Fall 1997, Spring 1998, and Fall 1998.
Software Test Technician Intern: Fall 1995 and Spring 1996.

Apr. 1997 – Dec. 1998 **Senior Teaching Assistant** and **Head Quiz TA** at the **College of Computing, Georgia Tech**, Atlanta, GA, USA (http://www.cc.gatech.edu/)
"CS1502, an Introduction to Programming using Java"

Sep. 1996 – Mar. 1997 **Teaching Assistant** at the **College of Computing, Georgia Tech**, Atlanta, GA, USA (http://www.cc.gatech.edu/)
"CS1501, an Introduction to Computing"

Sep. 1996 – Mar. 1998 **User Assistant** at the **Office of Information Technology, Georgia Tech**, Atlanta, GA, USA (http://www.oit.gatech.edu/)
Assisted computer users on Windows 3.1/95 and UNIX platforms in campus computer clusters.

Education

1996 – 1999 **Georgia Institute of Technology,** Atlanta, GA, USA
Bachelor of Science in Computer Science
Specialization: Networking, Usability, and Computer Graphics.

Summer 1998 **Worcester College,** Oxford, England
Georgia Tech Study Abroad Program in Central Europe and England

Sep. 1995 – Mar. 1996 **DeKalb College,** Dunwoody, GA, USA

Sep. 1993 – May 1995 **Boston University,** Boston, MA, USA
Math and Computer Science

Technical Proficiencies

Languages and Specifications: Java SE, Java EE, J2EE, OSGi, JSP, Java Servlets, JDBC, JPA, SQL, AOP, Perl, PHP, C, C++, ECMA Script, JavaScript, XML, XHTML, HTML, CSS, shell scripting

Frameworks and Libraries: Spring Framework, Spring TestContext Framework, Spring MVC, Spring Web Flow, Spring JavaScript, Spring Security, Spring DM, Spring Integration, EclipseLink, Hibernate, Velocity, iText, JUnit, TestNG, DbUnit

Software Engineering: Object Oriented Analysis and Design (OOA/OOD), UML, ER Modeling, Design Patterns, Refactoring Patterns, Unit Testing, Integration Testing, Continuous Integration

Application Servers: SpringSource dm Server, Apache Tomcat, JBoss, BEA WebLogic, IBM WebSphere, Apache Web Server, Microsoft IIS

Databases: Oracle, MySQL, HSQLDB, MS SQL Server, Microsoft Access

Content Management Systems: Interwoven TeamSite 5.0 - 5.5.2, Day Communiqué 2.6.x – 3.5.4

Tools: Eclipse, SpringSource Tool Suite, Ant, Maven, Ivy, JIRA, Bamboo, FishEye, Crucible, Confluence, CruiseControl, Subversion, CVS, PVCS, MS Office Suite, Visio, MS Visual Basic,

Enterprise Architect, OmniGraffle

Operating Systems: Unix (Solaris); GNU/Linux (Fedora Cora, Red Hat, Mandrake); DOS; MS Windows 3.x/95/98/NT/2000/XP; Mac OS X

Spoken Languages

English: native speaker
German: fluent verbal and written skills; 7.5 years' working experience in Germany and Switzerland
Spanish: basic skills

Certifications

Certified JBoss Developer for JBoss Application Server 4.x.
Certified Interwoven Consultant for Interwoven TeamSite 5.0 and 5.5.

Publications

2009: **Co-Author** of *Spring in a Nutshell* (O'Reilly, 2010)
2008: **Chief Technical Reviewer** of *Spring Recipes: A Problem-Solution Approach* (Apress, Inc.)

Conferences & Presentations

Date	Event	Title	Location
Sep 2009	eJUG Seminar	Modular Web Applications with OSGi	Linz, Austria
Jun 2009	Jazoon	Enterprise Applications with OSGi and SpringSource dm Server	Zürich, Switzerland
Jan 2009	Irish Java Technology Conference	Building Web Applications with the SpringSource dm Server	Dublin, Ireland
Dec 2008	Devoxx	Building Web Applications with the SpringSource dm Server	Antwerp, Belgium
Dec 2008	Devoxx	Introduction to the SpringSource dm Server	Antwerp, Belgium
Nov 2008	Spring User Group	Building Web Applications with the SpringSource dm Server	London, England
Nov 2008	Spring User Group	Introduction to the SpringSource dm Server	London, England
Oct 2008	Spring in Finance eXchange	Building Web Applications with the SpringSource dm Server	London, England
Oct 2008	SpringSource Webinar (German)	Next Generation Web-Entwicklung mit dem SpringSource dm Server	(online webinar)
Aug 2008	SpringSource Webinar (English)	Building Web Applications with the SpringSource Application Platform	(online webinar)
Jun 2008	SpringOne	Building Web Applications with the SpringSource Application Platform	Antwerp, Belgium
Mar 2008	QCon London	Testing by Example with Spring 2.5	London, England
Mar 2008	Spring Ireland Day	What's New in Spring 2.5	Belfast, N. Ireland
Jan 2008	Spring eXchange	What's New in Spring 2.5	London, England
Nov 2007	Irish Java Technology Conference	Spring 2.5: What's new, what's upcoming for the Spring Framework	Dublin, Ireland