

Austin Maher

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Summary

Accomplished technical leader delivering commercial applications.
Expertise developing distributed web-based applications.
Excellent verbal and written communication skills.

Experience

The SAS Institute Cary, NC

Senior Software Development Manager

- 7/22 - present Development manager responsible for the design, implementation and quality assurance of SAS Alert Triage, part of the SAS Fraud and Financial Crimes Detection Architecture. SAS Alert Triage supports rapid triage and disposition for high-volume alerting domains such as payment fraud and other transaction screening solutions. I oversee and coordinate the globally distributed development teams and collaborate with product management on feature definition and prioritization.
- 4/19 - present Development manager responsible for the design and implementation of the scenario administrator component of SAS Visual Investigator. SAS Visual Investigator provides a customizable platform for developers to create a new generation of investigative applications using the latest SAS technologies. Solutions developed on top of SAS Visual Investigator address areas such as anti-money laundering, child welfare, counterterrorism, and law enforcement intelligence. Scenario Administrator provides a low-code tool for data scientists and business users to create rule-based surveillance programs to identify activity that requires subsequent investigation. As development manager my responsibilities include working with product management on feature definition and prioritization, designing and implementing product features, mentoring team members, and collaborating with the quality assurance, performance measurement, documentation, professional services and technical support teams. I also participate in product suite design and integration efforts and manage a team of direct reports.
- 4/14 - 7/22 Development manager responsible for the design, implementation and quality assurance of the alert management components of SAS Visual Investigator. The alert service supports the ingestion, triage, disposition and productivity rating for all alert scorecards and other suspicious activity identified by the system.
- 10/09 - 2/15 Team lead and later development manager of the SAS Enterprise Case Management development team. Enterprise Case Management is a web-based application for identifying and managing investigative processes to support financial services, government and health care.

- Implemented SOAP web services to search for, access and update case data and application configuration data.
- Enhanced the application to track financial information associated with an incident or case.
- Implemented support for PostgreSQL, SQLServer and DB2 databases.
- Implemented several performance and memory usage optimizations.

12/03 - 10/09 Member of the SAS OpRisk Monitor development team (now SAS Enterprise Governance, Risk and Compliance). SAS Enterprise GRC is a web-based application for capturing and tracking corporate operational risk and compliance data. Responsibilities include working with product management on feature definition, designing and implementing product features, and interacting with the quality assurance, documentation and technical support teams.

- Led the implementation of the control testing component. Control testing allows users to define reusable test definitions for operational and compliance-related controls, aggregate related test definitions into groups, and monitor the status of in-progress tests.
- Participated in the development of performance optimizations that led to the patent application: *Computer-Implemented Systems and Methods for Efficiently Selecting Data in Multi-Dimensional Hierarchical Space with Multiple Constraints*.
- Implemented the risk indicator component. A risk indicator is any operational measurement that can be used to help understand a company's risk exposure.
- Implemented a Java framework for loading customer data into the application. The framework allows users to batch-load .csv files and upload Excel workbooks via the web application. Users can load data in "test-mode" to validate input without saving the results to the database.
- Implemented several tools for "data re-organization". These tools allowed administrators to adjust their data as part of a corporate re-organization.

Independent Consultant Raleigh, NC

Certified WebLogic Consultant

7/02 - 11/03 Consultant to companies developing J2EE applications using the BEA product set. Responsibilities vary, but usually include project scoping and scheduling, design, implementation, testing and deployment.

- Presented [Tuning BEA WebLogic Portal](#) at 2003 BEA e-World Users Conference.
- Consultant to a global payments company's consumer web site development team. Responsibilities include analyzing marketing requirements, designing visitor tracking mechanisms that integrate with reports and content personalization rules, application development mentoring, code reviews, capacity planning and code optimization, third party product evaluation and project planning activities.

BEA Systems Cary, NC

Technical Manager, Accelerated Development Center

4/00 - 6/02 Consultant to companies developing J2EE applications using the BEA product set. Responsibilities vary, but usually include project scoping and scheduling, design, implementation, testing and deployment.

- Consultant to a team implementing a product information portal. The resulting system, built on top of WebLogic Portal, included site registration, personalized visitor content and a single sign-on mechanism for integrating with existing web applications.
- Project leader of a development team that added personalization features to the web site for a global payments company. The resulting system, built on top of the WebLogic Campaign Manager, personalized advertising and content based on a number of user profile characteristics, recorded user tracking data in an Oracle database and generated reports on user activity.
- Consultant to a team implementing a customer rewards program. The system is using WebLogic Commerce Server version 3.2, storing data in an Oracle database. Responsibilities included providing information into the requirements gathering and project planning process, as well as occasional application architecture and code reviews.

The Object People Raleigh, NC

Senior Member of the Technical Staff

11/97 - 4/00 Consultant to companies developing object oriented applications. Responsibilities vary, but usually include project scoping and scheduling, establishing an iterative development process, design, implementation, testing and deployment.

Many object-oriented programming immersion projects - details elided.

ABB Power T. & D. Co. Inc. Raleigh, NC

Fellow Engineer

1/95 - 10/97 Member of the ABB core team for software engineering research (U.S. representative). The core team established funding priorities for internal software engineering research projects, consulted on software architecture, software process improvement, participated in CMM assessments and mentored organizations in software life-cycle definition, effort estimation, inspections and reviews.

9/96 - 10/97 Consultant to a team of developers implementing a reusable framework for distributed Manufacturing Execution Systems applications. Responsibilities included: mentoring developers in object-oriented design, Smalltalk and Java implementation techniques.

8/94 - 8/96 Member of a team developing an engineering design environment in Visualworks Smalltalk. The design environment allowed engineers to store and annotate project documents, trace requirements to design, capture the history of design changes produced by legacy engineering design tools and define and evaluate engineering constraints.

Knowledge Systems Corporation Cary, NC

Senior Member of the Technical Staff

3/93 - 8/94 Member of the CoDesign Version 1.0 product development team. CoDesign is a software lifecycle development environment written in Smalltalk V for OS/2. The

CoDesign environment was based on the concept of Well-Defined Objects, which encapsulate and synchronize a software object's design, implementation and testing while providing continuously monitored quality metrics. Responsibilities included implementing the CRC card design tool, customer feedback tools, object inspector and documentation generation tool.

Component Software Corporation Lexington, MA

Senior Developer

8/92 - 2/93 Member of the Component Workshop Version 1.0 quality assurance team and project leader for the Component Workshop for Microsoft Windows product development team. Component Workshop was an incremental C++ software development environment.

Digital Equipment Corporation Nashua, NH

Senior Software Engineer

11/88 - 8/92 Member of the DEC Trellis product development team responsible for turning the Trellis research prototype into a commercial product. DEC Trellis was a strongly typed object oriented programming language and incremental development environment. Responsibilities included: implementing a native VAX/Ultrix version, converting all source code from VAX C to ANSI C, developing the RISC/Ultrix code generator and run-time routines, designing an object serialization facility, writing installation procedures and installation guides for all 3 platforms and communicating with the Software Quality Management group.

Software Productivity Consortium Reston, VA

7/87 - 10/88 Member of the Technical Staff

University of Massachusetts Amherst, MA

Research Assistant

1/87 - 7/87 Designed a method for providing shared persistent object support for the Trellis object oriented programming language on top of an existing low-level storage manager. The objective was to provide primitives for evaluating object faulting behavior when various object clustering rules were in effect.

Education

University of Massachusetts M. S. Computer and Information Science May 1987

Carnegie Mellon University B. S. Applied Mathematics - Scientific Computing and Engineering Systems May 1985

Patents

Computer-Implemented Systems And Methods For Efficiently Selecting Data In Multi-Dimensional Hierarchical Space With Multiple Constraints [US 20100325586A1](#)
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