Howard L. **Dierking**

THINKER · BUILDER · LEADER

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"Build, Learn, Grow...Repeat"

Experience

Olive AI   *Austin, TX*

VP ENGINEERING, OLIVE ASSURES   *Jan. 2021 - Present*

- Define technical strategy for new predictive analytics product
- Partner with product management and executive leadership to ensure that engineering efforts align with business objectives
- Hire and develop a remote-first, cross-disciplinary team of 20

SAP   *Austin, TX*

PRINCIPAL SOFTWARE ARCHITECT   *Mar. 2020 - Dec. 2020*

- Drive data and analytics workstream across all SAP application businesses
- Partner with both central engineering organizations and CTO offices in order to drive consensus on tools and architectural approaches across the company
- Envision, prototype, and evangelize a future-state architecture for integrating applications across SAP businesses, partners, and customers
- Research and prototype a lightweight OWL reasoning engine and its application in a variety of different transactional workloads
- Advise multiple cross-business unit integration projects. Create and evangelize architecture concept, participate in design reviews, and resolve conflicts as they arise

SAP Concur   *Bellevue, WA*

SENIOR DIRECTOR OF SOFTWARE DEVELOPMENT   *Dec. 2018 - Mar. 2020*

- Partnered with SAP central engineering to drive cross-company technology initiatives into Concur delivery teams as well as influence the strategies of those groups
- Created technology vision and strategy by working across central technology organizations as well as over 80 delivery teams to understand both the business domain and non-functional constraints. Produced both multi-year vision and iterative strategies for realizing the vision
- Managed a globally distributed team of 13 architects and senior developers across North America and Europe
- Researched semantic technologies, including RDF, OWL, and SPARQL, as well as the application of semantic technologies to event-driven, cloud-native architecture
- Led global architecture for the SAP Concur's spend management product. Partnered with delivery teams on short term tactical challenges and executive leadership on long term technology strategy
- Identified key measures for driving consistent quality of service and return on investment across the service portfolio
- Gave multiple presentations within SAP, focused primarily on application of semantic technologies to business software

SAP Concur   *Bellevue, WA*

DIRECTOR OF SOFTWARE DEVELOPMENT   *Jun. 2015 - Dec. 2018*

- Distilled high-level executive management goals into concrete problem definitions to be pursued by both my development teams and business counterparts
- Manageed a team of 25 developers (including 3 development managers), divided into 3 organizational units. Included employees in Bellevue, WA, Vienna, VA, and Maidenhead UK
- Partnered with colleagues in France and Japan to deliver next generation receipts service globally
- Coordinated with colleagues in Germany and Prague to deliver a data orchestration service
- Helped to create career competencies and paths for all Concur engineers and managers
- Participated in physical space design/planning to create a collaborative team environment
- Created mock interview program in partnership with Code Fellows and integrated it into our organization's interview training program
- Actively managed relationships with peers across the company for building consensus around key company-level decisions
- Conducted competitive analyses and presented 5-year strategic plan to company executives
- Spoke at SAP global developer conference in Germany two years in a row. Highest-rated lecturer by external company in 2016
- Managed budgets for personnel, morale, and equipment

SAP Concur
Bellevue, WA

SENIOR MANAGER SOFTWARE DEVELOPMENT
Sept. 2014 – Jun. 2015

- Led a team of 5 Concur developers to build a variety of online service offerings to improve the adoption of the Concur platform
- Drove delivery for 3 Concur products, including the Concur developer center, client libraries (NPM, NuGet), and the highly-publicized Starbucks connector
- Captured business scenarios for the Concur/Starbucks partnership and set up the basic structure and vision for the team to execute on
- Spearheaded micro-services architecture efforts using the Amazon Web Services (AWS) public cloud. Delivered Starbucks connector application to production in 3 months with a team of 3 people
- Designed technology and strategies for converting Concur developer center from a traditional content management system model to a statically-generated web site with content authored in Markdown and managed on GitHub
- Gave multiple presentations (both within and outside the company) on services architecture, developer pipeline, and team workflow
- Drove release of multiple team projects as open-source on GitHub, including the Concur developer center. Since release as open source, developer center has been forked 50+ times and has 50+ contributors

Microsoft Corporation
Redmond, WA

SENIOR PROGRAM MANAGER (ASP.NET)
Jan. 2012 – Sept. 2014

- Project owner for the NuGet package management system, ASP.NET Web-optimization code library, and the "Katana Project" runtime. Managed project rhythm and delivery schedule for both internal and external customers. Delivered multiple versions of all projects including introducing the debut version of the Katana project to Microsoft customers
- Assumed management of open source projects for NuGet. Created a new open-source community for the Katana project (later became next generation ASP.NET, and drove the open sourcing of the core ASP.NET Web Optimization framework
- Represented my teams and Microsoft at internal and external industry events. Provided in-depth lectures and consulting to Microsoft customers. Recorded video lectures as a part of product launch collateral
- Authored numerous journal articles in support of my teams and projects. Authored and reviewed official product documentation
- Built applications in competing technology stacks to understand tradeoffs in developer experience, and then distilled findings into feature design. Directly applied expertise in RESTful systems to the design of a new NuGet server
- Maintained critical partnerships with many internal teams across divisions in order to deliver projects on time. Drove creation of partnership between NuGet and Sonatype which resulted in a new NuGet feature (package license discovery) with almost zero engineering investment
- Drove efforts to apply NuGet and package management for changing core development processes inside Microsoft. Worked across divisions to design and promote significant tooling improvements to support package management workflows

Microsoft Corporation
Redmond, WA

PROGRAM MANAGER II (APPFABRIC DEVELOPER PLATFORM)
Jan. 2011 – Jan. 2012

Microsoft Corporation
Redmond, WA

PROGRAM MANAGER II (SERVER AND TOOLS ONLINE)
Sept. 2009 – Jan. 2011

Microsoft Corporation
Redmond, WA

MSDN MAGAZINE, EDITOR-IN-CHIEF
Jul. 2007 – Sept. 2009

Microsoft Corporation
Redmond, WA

MICROSOFT LEARNING, CERTIFICATION PRODUCT PLANNER
Jul. 2006 – Jul. 2007

Software Architects, Inc.
Houston, TX

MANAGING CONSULTANT, TECHNICAL PROJECT LEAD (AIG)
Aug. 2005 – Jun. 2006

Riversand Technologies
Houston, TX

LEAD ARCHITECT (ARAMCO SERVICES COMPANY)
Nov 2004 – Jul 2005

Riversand Technologies
Houston, TX

SENIOR SYSTEMS ARCHITECT
Jun. 2004 – Nov. 2004

Riversand Technologies
Houston, TX

ECO TECHNICAL ARCHITECT/TEAM LEAD (HEWLETT-PACKARD)
Sept. 2003 – Jun. 2004

AMSI   *Houston, TX*
Senior Programmer/Analyst   *Dec. 1999 – Sept. 2003*

Education

Samford University   *Birmingham, AL*
B.A. in Political Science · Computer Science Minor   *1995 - 1999*

Speaking

Online Web Conference   *Online*
Presenter for Web Camps   *May 2013*
"The Katana Project - OWIN for ASP.NET"

DevTeach   *Montreal, Canada*
Keynote Presenter for DevTeach Montreal   *2012*

Microsoft TechEd   *Atlanta, GA*
Presenter for Microsoft TechEd North America   *2011*
"Make Yourself Comfortable and REST with Microsoft.NET."

ITNG 2009   *Las Vegas, NV*
Track Chair   *April, 2009*

TechEd 2009   *Los Angeles, CA*
Panelist   *2009*
"Business Intelligence: Thinking Bigger about the Role of BI in Delivering Business Value."

Online Web Conference   *Online*
Presenter   *April, 2009*
"IT Manager Webcast: IT Manager Community Talk with Kevin - Business Intelligence"

Publications

Google Cloud Platform Fundamentals   *Pluralsight*
Author   *2018*

Designing Evolvable Web APIs with ASP.NET   *O'Reilly Media*
Co-Author   *2014*

Getting Started with the Katana Project   *Microsoft Documentation*
Author   *2013*

REST Fundamentals   *Pluralsight*
Author   *2020*

Open Government: Collaboration, Transparency, and Participation in Practice   *O'Reilly Media*
Co-Author   *2010*

The Geek Atlas: 128 Places Where Science and Technology Come Alive	*O'Reilly Media*
Technical Reviewer	*2009*

An Empirical Study of Unsupervised Rule Set Extraction of Clustered Categorical Data Using a Simulated Bee Colony Algorithm	*International Symposium on Rule Interchange and Applications*
Co-Author	*2009*

(Multiple articles and editorials)	*MSDN Magazine*
Author	*2007 - 2009*

Open Source Contribution

metalsmith-ldschema

HTTPS://GITHUB.COM/HOWARDDIERKING/METALSMITH-LDSCHEMA

Metalsmith plugin for generating Web documentation for a linked data vocabulary. Inspired by https://schema.org.

www.howarddierking.com

HTTPS://GITHUB.COM/HOWARDDIERKING/BLOG.HOWARDDIERKING.COM

My personal blog. Also a testbed for experiments with different Node-based static site generators.

building-restful-services

HTTPS://GITHUB.COM/HOWARDDIERKING/BUILDING-RESTFUL-SERVICES

Contains all sample code for my Pluralsight course, Building RESTful Services.

international-address

HTTPS://GITHUB.COM/HOWARDDIERKING/INTERNATIONAL-ADDRESS

NodeJS-based formatting library for international addresses.

ssis-wcf-dataservices

HTTPS://BITBUCKET.ORG/HOWARDDIERKING/SSIS-WCF-DATASERVICES

This code sample shows you how to create a SQL Server Integration Services custom data source that can interoperate with WCF Data Services (formerly known as Astoria). In addition to simply illustrating the mechanics of working with SSIS and ADO.NET Data Services, the sample also illustrates some design practices and techniques such as separation of concerns and behavior-driven development.

msdnmagpivot-public

HTTPS://BITBUCKET.ORG/HOWARDDIERKING/MSDNMAGPIVOT-PUBLIC

Source code used to create and display the MSDN Magazine collection for the Silverlight Pivot viewer control.

RestBugs

HTTPS://GITHUB.COM/HOWARDDIERKING/RESTBUGS

A simple, hypermedia-driven bug tracking API.

NuGet

HTTPS://GITHUB.COM/NUGET

NuGet is the package manager for the Microsoft development platforms including .NET. Create, share, and reuse thousands of NuGet packages.

ASP.NET

HTTPS://GITHUB.COM/ASPNET

ASP.NET is an open source web framework for building modern web apps and services with .NET. ASP.NET creates websites based on HTML5, CSS, and JavaScript that are simple, fast, and can scale to millions of users.

Web Optimization

HTTPS://ASPNETOPTIMIZATION.CODEPLEX.COM/

The ASP.NET Web optimization framework provides services to improve the performance of your ASP.NET Web applications.