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Summary

I look for ways to organize and communicate ideas so that it is easy to learn how to develop quality solutions. Quality depends on iteration in any endeavor. I work on this through research, coding, testing, conversation, teaching, and writing. I look for data driven solutions. I was a software and web developer for many years and have been involved in developer education for the last 6 years.

Technical Skills

Languages	Java, C#, JavaScript, Node.js, Python, Objective-C, CSS, SQL, HTML, R
Libraries/Frameworks	jquery, angular.js,D3.js. Backbone.js, Vue.js, React.js
Development Tools	Eclipse, Intellij, Visual Studio, Xcode, SVN, Git, Fiddler
Methodologies	Agile, Scrum, XP, Test Driven Development
Web Servers	IIS, Apache, Node.js, Nginx
Application Servers	Tomcat, Gunicorn
Database Platforms	Oracle, DB2, SQL Server, MySQL,Postgresql
OS	Windows, Linux, Mac OS X
JamStack	GitBook, Next.js
Instructional Design	Captivate, Camtasia, Descript

Professional Experience

Curriculum Program Manager, Developer Education **Cloudinary(Sep 2019 - present)**
I prepare course objectives and content related to Programmable Media. I work with subject matter experts to develop meaningful exercises targeted at programming language-specific audiences. I'm also involved in course delivery: I instruct and help SMEs to provide instruction alongside me. I deliver courses online through webinars and in person. I also include other employees and prepare content and coaching so that they can serve as instructors as well. I enjoy creating visuals like this periodic table of Cloudinary transformations:
https://www.beckypeltz.me/cld-periodic-table/.

Instructor **Seattle University(Sep 2017 - Sep 2019)**
I worked full-time as a Web Development Instructor in the Web Application and Technology program at Seattle University. I taught HTML, CSS, JavaScript, and Vue.js as well as how to construct web applications and develop portfolios leading to employment as a Web Developer.

Lead Software Engineer **Schweitzer Engineering Laboratories(Sep 2016 - Sep 2017)**
I worked in the SEL Research and Development on the Front End of a Software-Defined Network Controller. I was using angular.js to provide a richer user experience.

Lead Instructor **CodeFellows (May 2016 - Sep 2016)**
I was providing instruction in full-stack web development using Node.js and Single Page Applications using angular.js.

Senior Software Engineer **Globys(May 2015- May 2016)**
I worked as a full-stack programmer with an emphasis on the front end. We built a business intelligence application for banks and telecommunications companies to help their customers manage fees. I used backbone, bootstrap and node on the front end and Microsoft MVC on the backend.

Software Engineer Data Visualization **zulily(**Jan 2015-May 2015**)**
I created data visualizations in the form of dashboards for AB Tests and big data brand recommenders. I got data from Google's BigQuery and various API endpoints. I used angular.js and d3 to create charts and interactivity and filtering.

Senior Software Engineer Web/UI **F5 Networks (**July 2012-Jan 2015**)**
I worked on a team that provides the management plan for the Big IP product. We enabled the customer to create and maintain configuration for traffic management, as well as view statistics on network traffic, using a GUI interface. The GUI interface was a J2EE Apache/Tomcat web application. Data definition and maintenance rely on a proprietary in-house solution. Solutions used Java and JavaScript (including jQuery, Ext JS, and angular.js). I created documentation and provided mentoring for new hires.

Senior Clinical Development Analyst **Seattle Children's Hospital** (July 2010-July 2012)
I worked on a team that built single-page application web pages, known as MPages. MPages are executed in the Cerner Millennium environment and use data from the Cerner application suite. The application we created was a dashboard with charts and tables that provided a profile of patient status. Some projects that I worked on include Lab Summary Graphs, a Render Manager for controlling the pace and performance of rendering in the browser, and an SNPP paging application written in C# to allow paging from a web page.

Senior .Net Developer **Robert Half Technology/Seattle Public Schools** (Dec 2009-July 2010)
Seattle Public Schools recruited contractors to build their student assignment software. I worked on this team as a C#/.Net developer. I designed and coded the front end, using Telerik controls and jQuery. I also worked on a web service to run SQL Server Integration Services reports that served as the output provided to parents when school assignments were made. Web services were defined using WCF.

Software Developer **University of Washington** (Dec 2007- Dec 2009)
The University of Washington Housing and Food Services Information Technology department hired me to work on a number of different technologies including Ektron CMS, .Net integration with student housing vendor software, and Sharepoint. Technologies I worked with at UW

include Ektron CMS for content management and integrating third-party student housing software with .Net by wrapping API calls using DCOM.

Associate Faculty **City University** (Mar 2009-Sep 2011)
I served as a part-time online instructor for City University teaching classes in Web Design and programming.

Java Developer **Expeditors International** (Aug 2004-Dec 2007)
Expeditors International provides logistics to enable efficient supply chain management. I programmed in Java, JSP, JavaScript and a homegrown persistence library similar to Hibernate solving problems relating to rating and CRM. Our development process involved creating object models (UML) with SmartDraw, which could be used to generate the model layer. We began the process of migrating to SOA in 2005 and I was involved in creating and accessing SOAP and REST services as well as messages. I worked on an early implementation of type ahead using Ajax.

Teaching Associate **North Seattle Community College** (2001-2003)
I taught C++, Java, Web Design (HTML, JavaScript, Photoshop), Web Development using Databases (ASP.NET, SQL Server), and Web Services using XML (APS.NET, VB, XML, and SOAP. I developed the course on Web Services and collaborated on the redevelopment of the course on Java. I worked with the college system administrators to bring the .NET platform onto classroom workstations so that the Web Services course could be taught with a lab component.

Sr. Software Engineer **Go2Net** (April 1998-Nov 2000)
The siliconinvestor.com website was purchased by Go2Net in 1998. The site hosted a very popular message board. Pages were requested from IIS, which directly queried SQL Server. The HTML was generated inside SQL Server stored procedures. I was hired for my knowledge of TSQL and general database experience. We quickly evolved the website by moving the web server to Apache and creating a special "mod_si " which directly queried SQL Server to get a web response. The next goal was to separate the HTML generation from the database. The Go2Net team was developing in Java, but JSP wasn't yet defined, so we used GSP (gnu server pages) to create the view layer. GSP allowed programmers to embed calls to Java in static content. While we were moving HTML generation from the SQL Stored procedure to GSP we also ported the database from SQL Server to Oracle which was a better fit for the largely Linux set of servers. As a member of the team that worked on Silicon Investor, I was largely responsible for translating stored procedure logic into java logic and designing the new database in oracle as well as porting the data.

Education
- In progress: Quinnipiac University Masters of Instructional Design
- The University of Wisconsin-STOUT Certificate in eLearning
- University of Washington: Certificate iOS and Mac Application Development
- University of Washington: MBA Finance and Quantitative Methods

- University of Washington: BA Psychology Phi Beta Kappa, Magna Cum Laude

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