
Technical Skills

Likes: javascript web mobile c# python cloud

Experience

Staff Software Engineer – DHI Group

May 2020 → Current

Similar responsibilities as the previous role.

Worked through a temporary 7-month re-assignment to Candidate Profile team to successfully assist in completing "v2" of the dice candidate profile page. During this time, worked with 2 other tech leads on a team of 10 total developers. Straddled learning the required infrastructure, backend, and frontend technologies and applied that knowledge to ensure any blockers were quickly removed.

Worked on Cloud Platform Engineering team, who is responsible for increasing the efficiency of all dev teams by:

- evaluating new services and tech, AWS or otherwise.
- creating tooling and documentation for CI/CD pipelines.
- developing shared services for all dev teams.

Senior Software Engineer – DHI Group Inc

May 2018 → Current

c#, amazon-web-services, angular, jenkins, typescript, .net-core, css, sass, html, aws-lambda, amazon-cloudfront, amazon-s3, amazon-sqs, amazon-sns, python, amazon-cloudformation, elasticsearch, node.js, amazon-ec2, amazon-elb, aws-auto-scaling, aws-codebuild, continuous-integration, continuous-delivery, automated-tests, performance-testing, amazon-dynamodb, elasticsearch-7

- Lead and contribute to new job search efforts for efinancialcareers.com and dice.com.
- Develop data processing pipelines to handle ingestion and indexing of jobs data.
- Present jobs via email alerts, searchable web apis, and Angular-based web client
- Monitor cloud compute performance, identify and address bottlenecks.
- Create new user stories, bugs, and recommendations.
- Identify and apply cloud compute upgrades with zero downtime.
- Apply Domain Driven Design but publishing and consuming microservices with the organization.
- Integrate with 3rd party services such as Google Maps and Salesforce
- Data Volumes
 - Total jobs: > 100K
 - Data processing events: > 400K/day
 - Job alerts: 2 million total, 1 million active on daily and weekly schedules
 - api requests: 3-7 million/day

Web Developer – ASF Payment Solutions

Dec 2017 → Apr 2018

javascript, angular, c#, mysql, db2, css, html5, sass, asp.net-web-api2, entity-framework

- Maintain and add features for a new custom reporting system.
- Analyze and migrate reports from legacy ASP application to new reporting system.

Mobile Solutions Developer – Blue Dot Solutions

Apr 2016 → Dec 2017

javascript, typescript, angularjs, cordova, cordova-plugins, esri, webpack, mongodb, couchbase-lite, sql-server, azure

Team lead and architect involved in development of custom mobile clients and back-end system integration development for hybrid (Cordova) mobile apps oriented for enterprise usage

- Railcar inspections for Bulkomatic Transport (3 mos).
- Work Management for Miami Dade County Water and Sewer Department, featuring ESRI maps integration (June-2016 - August-2017)

Web Software Engineer – Ria Digital
asp.net-web-api, asp.net-mvc-5, angularjs

Nov 2015 → Mar 2016

Participated in development efforts towards two different foreign exchange web applications with tasks consisting of:

- Integration of 3rd party services such as bank account verification.
- Creating and updating Angular JS, ASP.NET MVC, and .NET Core UI views and server-side business logic and storage.

Senior Developer – AbsenceSoft
c#, mongodb, angularjs, jquery, javascript, asp.net-mvc, amazon-s3, amazon-sqs

Sep 2015 → Nov 2015

- Participated in development efforts for a SaaS leave management product.
- Extend, troubleshoot, and architect solutions, utilizing AWS products such as S3 and SQS.

Full Stack Developer – Blue Dot Solutions
asp.net-mvc, asp.net-web-api, .net, c#, java, javascript, node.js, android, ios, sql-server, mongodb, windows-mobile, cordova

Jun 2014 → Sep 2015

- Extended legacy asset management solutions. Stack: Windows Mobile, ASP.NET Web Forms, WCF SOAP services, SQL Server, SQL CE
- Extended Android-based service request management solutions. Stack: Android Native, iOS Native, ASP.NET MVC, SQL Server
- Architected and implemented major changes on the Cyan Mobile Platform to enhance performance and capabilities.
- Client stack: Single Page Application with Cordova, HTML, CSS, JavaScript. Angular, Backbone, Couchbase Mobile, and Node.js
- Server stack: ASP.NET MVC, ASP.NET WEB API, SQL Server, MongoDB, Azure Workers, Azure Service Bus-Platform consists of mobile clients, sync services, management portal, worker roles (custom and common message processing). API documentation: <https://api-dev.cyan.us.com/help/1>

Analyst, Applications Development IV – SourceGas
sharepoint-2010, webforms, asp.net-mvc, asp.net-web-api, wcf, sql-server-2008-r2, twitter-bootstrap-3, jquery, javascript, java, html, durandal-2.0, knockout.js, signalr, tfs2010, entity-framework

Dec 2012 → Jun 2014

- Served as technical lead for custom systems design and implementation, bootstrapping projects, organizing development workflows, and providing mentoring for up to 5 other developers.
- UI developer on <http://myaccount.sourcegas.com>.
- Updated internal ChoiceGas application to allow for efficient quoting and sign-up of 350K+ customers.
- Rewrote and modularized back-end payment reconciliation system that had fallen into disorder, reducing processing times from hours to minutes and saving the back office billing staff from manually accounting for all but \$70K of \$350M across 2.3M transactions.

Programmer – Machol & Johannes
sharepoint-2010, asp.net-mvc, wcf, sql-server-2008-r2, twitter-bootstrap, jquery, javascript, exchange-server-2007, asp.net-web-api, reporting-services, wpf

Oct 2010 → Nov 2012

- Developed a multitude of internal and external applications, ranging in scope from hours to months, to assist with the extreme data flow and automated requirements for a rapidly growing company.
- Assisted with network support during outages or when dedicated support personnel were otherwise unavailable.
- Managed VMware hosted servers for SharePoint, TFS 2010, request management system, and a dedicated legacy ETL server.
- Replaced payment system with web interfaces for consumers and account representatives with an average monthly throughput of 4000+ transactions \$1M. Features include real-time accounting system logging and support for multiple payment processing vendors and trusts.
- In collaboration with Colorado Judicial Branch, developed a system to automate data extraction, validation, transmission, and tracking of new and subsequent court e-filings (average output of 10K filings/mo).

IT Professional II – Colorado Department of Revenue*Sep 2008 → Oct 2010*

webforms, asp.net-mvc, nhibernate, sql-server-2008-r2, reporting-services, jquery, javascript, entity-framework, crystal-reports, tfs

- Developed internal web and windows applications to increase DMV productivity and/or comply with legislature.
- Provided individual and group mentoring to peers regarding modern technologies and methodologies.
- Administrated and created SharePoint solutions.
- Administrated a VMware-hosted development network of approximately 30 virtual servers hosted.
- Optimized queries and reports against Linux-hosted Informix databases.
- Became a local expert for Microsoft networking, database administration, and development in the department.
- Developed a software replacement for bar code printer font modules, potentially saving the State of Colorado \$22K+ in hardware costs alone.
- Designed/developed systems to track motor vehicles investigations and proactively issue holds for invalid vehicle registrations.

IT Consultant (Independent Contractor) – Point B Technology*Aug 2007 → Aug 2008*

webforms, reporting-services, ms-access, sql-server, windows-server-2003, exchange-server, iis, vb6, vba, winforms

- Provided consulting as database administrator, developer, and hardware/network administration for clients in the Denver metro as well as remote and out-of-state locations.
 - Gained valuable insight and experience as a business owner managing accounts receivable, scheduling, and support contracts.
 - Acquired a half dozen clients by word of mouth and reputation alone.

Systems Engineer – North Star Strategic IT*Dec 2005 → Aug 2007*

vb6, vba, sql-server, vlan, voip, cisco-ios

- In addition to previous duties at North Star Business Systems, installed and administered VoIP phone system solutions based on Cisco equipment.
- Configured VLAN's, access-lists, routing and routing protocols via Cisco and other networking equipment and supported WAN protocols such as HDLC, PPP, and Frame Relay.
- Developed procedures to cut installation time for VoIP solutions in half, eliminating the need for overtime, and providing quality insurance checks and problem resolution for equipment prior to installation.
- Maintained a billable percentage of over 90%.

Programmer/Analyst – Pragmatic Software Company*Jan 2005 → Nov 2005*

vb6, sql-server, javascript, asp-classic, crystal-reports, saas

- Provided 24/7 support for a project management SAAS with an international user base ranging in thousands.
- Provided quotes
- Implemented enhancements and bug-fixes
- Scheduled and provided end user training.
- Managed databases, including data restore, performance tuning, stored procedures, triggers, UDF's, and reporting.
- Supported small development network hardware and co-located production server farm.
- Exceeded expectations within 2 months of hire by becoming an expert in supporting a complex web application environment that was developed over the course of 5 years.

Director of Information Systems – Flu-Central*Mar 2004 → Dec 2004*

vb6, sql-server, terminal-services, winforms

- Managed all IT processes for local and remotely operating permanent staff and contractors.
- Provided reports to large scale clients including CVS and Home Depot.
- Coordinated with insurance companies such as Medicare and Cigna to expedite payment processing.
- Developed an ERP system, which was utilized for 3 years, to allow a staff ranging from 20 to 50 personnel to support 9000+ clinics nationwide. This system was used to manage scheduling, inventory, invoicing, customer relations, and estimating.

Systems Engineer/IT Consultant – North Star Business Systems
vb6, winforms, sql-server, windows-server-2003, iis

Jun 2000 → Mar 2004

- Provided IT consulting for Denver Metro clients with some projects ranging into mountain resorts and Colorado Springs.
- Served as a liaison between vendor support and client for a variety of software for a 300+ active client base, including law firms, healthcare, marketing, real estate, mortgage/financial, home-builders, and construction/development.
- Services included modifying web sites, developing Windows applications, database administration, network and data migration, network upgrades, automated administration, network security analysis, remote access solutions, WAN and LAN cabling and routing.
- Maintained top or near top billable percentage with averages above 70%.
- Versatility, determination, and quick-learning abilities contributed to common utilization as a go-to technician for accomplishing objectives where others had failed or given up.

PC Technician – Midsouth Bank
novell, tcp-ip, windows, dos, ibm-midrange

1999 → 2000

- Desktop and network support for 100's of employees across approximately 15 branch locations

Information Systems Chief – 1st Battalion 8th Marines, United State Marine Corps
banyan-vines, ethernet, dos, windows, unix, scripting, networking, hardware

1995 → 1998

- Supported and trained 100+ user base
- Server and desktop support
- Constructed networks in desert, mountain, and ship-based environments
- Banyan and SMTP Email and distributed message system connectivity
- Banyan Vines, TCP/IP, DNS
- Hardware inventory and accountability
- Machine gun team lead, M240G

Education

Bachelor of Science, Business Management – University of Phoenix, Denver, CO

2005 → 2007

Computer Science, some coursework – Metro State University
data-structures, binary-logic

2003 → 2004

Associate of Arts, Computer Programming and Software Technology – Westwood College of Technology, Denver, CO
vb6, sql, shell-scripting, perl, javascript, database-design

2000 → 2002

- 4.0 GPA
- Perfect Attendance

Small Computer Systems Specialist – USMC Computer Sciences School, Quantico, VA

Jan 1995 → Mar 1995

Certifications

A+ Certified Service Technician

1999 → 1999

Projects & Interests

Cron Task Manager – <https://crontaskmanager.codeplex.com/>

Nov 2011 → Nov 2012

Cron Task Manager seeks to simplify timed code execution by provide a scheduler which utilizes flexible crontab expressions.

Excel Document Merger – <https://exceldocumentmerger.codeplex.com/>

Mar 2012 → Mar 2012

Excel Document Merger is a utility for combining multiple Excel workbooks and worksheets into a single workbook.

LinqToOdbc – <https://linqtoodbc.codeplex.com/>

Aug 2011 → Aug 2011

Developed in C# for .NET 4.0 , LinqToOdbc seeks to simplify access to Odbc-based datasources via Linq queries.

Refer to Documentation and source code unit test for more information and sample usage.

Ramblings from a web and mobile developer

Apps & Software

Easy Photo Downloader – <https://easydownload.photos>
javascript, windows-store, electron, vue.js, vuetify.js, material-design

Feb 2018

Easily download high resolution images from your Meetup.com photo albums

SBU 311 - Android Apps on Google Play – <https://play.google.com/store/apps/details?id=com.bluedotsolutions.stonybrook311>
android, google-maps

Aug 2014

A customized variant of Blue Dot Solutions Mobile 311 solution, used by Stony Brook University students to submit and receive status updates on service requests via mobile device. Google Maps api and device camera are utilized to provide additional information in the service request.

Developer

- Many bug fixes
 - App and server/integration updates
 - Android SDK and Google API updates
-

Louisville 311 & MSD - Android Apps on Google Play – <https://play.google.com/store/apps/details?id=com.bluedot.msd311>
google-maps, android

Aug 2014

A customized variant of Blue Dot Solutions Mobile 311 solution, used by Louisville employees to submit and receive status updates on service requests via mobile device. Google Maps api and device camera are utilized to provide additional information in the service request.

Developer

- Many bug fixes
 - App and server/integration updates
 - Android SDK and Google API updates
-

Glynn Connect - Android Apps on Google Play – <https://play.google.com/store/apps/details?id=com.bluedotsolutions.glynncounty311>
google-maps, android

Aug 2014

A customized variant of Blue Dot Solutions Mobile 311 solution, used by Glynn County citizen to submit and receive status updates on service requests via mobile device. Google Maps api and device camera are utilized to provide additional information in the service request.

Developer

- Many bug fixes
 - App and server/integration updates
 - Android SDK and Google API updates
-

Readings

Secrets of the JavaScript Ninja – John Resig, Bear Bibeault – <http://www.amazon.com/Secrets-JavaScript-Ninja-John-Resig/dp/193398869X%3FSubscriptionId%3DAKIAIIBINOD46VC3JCLQ%26tag%3Dstackoverfl08-20%26linkCode%3Dxm2%26camp%3D2025%26creative%3D165953%26creativeASIN%3D193398869X>**The Pragmatic Programmer: From Journeyman to Master** – Andrew Hunt, David Thomas – <http://www.amazon.com/The-Pragmatic-Programmer-Journeyman-Master/dp/020161622X%3FSubscriptionId%3DAKIAIIBINOD46VC3JCLQ%26tag%3Dstackoverfl08-20%26linkCode%3Dxm2%26camp%3D2025%26creative%3D165953%26creativeASIN%3D020161622X>**Mistborn Trilogy Boxed Set (Mistborn, The Hero of Ages, & The Well of Ascension)** – Brandon Sanderson – <http://www.amazon.com/Mistborn-Trilogy-Boxed-Hero-Ascension/dp/076536543X%3FSubscriptionId%3DAKIAIIBINOD46VC3JCLQ%26tag%3Dstackoverfl08-20%26linkCode%3Dxm2%26camp%3D2025%26creative%3D165953%26creativeASIN%3D076536543X>**Steel World (Undying Mercenaries) (Volume 1)** – B. V. Larson – <http://www.amazon.com/Steel-World-Undying-Mercenaries-Volume/dp/1493680552%3FSubscriptionId%3DAKIAIIBINOD46VC3JCLQ%26tag%3Dstackoverfl08-20%26linkCode%3Dxm2%26camp%3D2025%26creative%3D165953%26creativeASIN%3D1493680552>

Scott Hanselman - Coder, Blogger, Teacher, Speaker, Author – Scott Hanselman's Blog – <http://www.hanselman.com/>

Scott Hanselman is a programmer, teacher, speaker, technologist, podcaster, writer, diversity advocate and more.

Coding Horror – <http://www.codinghorror.com/blog/>

If I haven't blogged much in the last year, it's because we've been busy building that civilized discourse construction kit thing I talked about.

You've Been Haacked – <http://haacked.com/>

You've been Haacked and you like it

John Papa | Evangelist on the loose – John Papa – <http://www.johnpapa.net/>

Evangelist on the loose

Tools

First Computer:	Tandy 1000
Favorite Editor:	Visual Studio Code