Linda Lawton

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Objective

FreeLance Senior Software Developer, systems architect (backend)

Experience

Senior Backend Developer freelance, KMD
Copenhagen, Denmark — 2021- 2022

Extraction of patient health care data resided on an on-premises server with my client. This data was split up by Danish government municipalities. The data in question was restricted by GDPR. To ensure patient privacy my focus was always on ensuring during the development and testing phase. The data we were using was in fact test data only and no production user data was within our system. The data on my client's system was in a proprietary format designed for use with a business intelligence system. They had the requirement to export the data to an off site client, the destination system followed FHIR format for medical data storage.

Microservices, rabbitmq, docker + docker compose, sql server, httpclient, automapper, Azure, Azure secret store, Saml Authorization

Senior Backend Developer freelance, SKARP
Copenhagen, Denmark — 2019- 2021

Creating, designing, and implementation of micro services, for an online shopping site. Using .net core, docker, GitLab, hosted on AWS, postgreSQL.   One such service was designed to use a legacy api to extract legacy data and import it into a new system designed for storage and maintenance of inventory databases.

Designed and maintained, integration tests, functional tests and unit tests. Created in Xunit, integration tests and end to end testing were built using Node.js

Daily desktop was Ubuntu linux, running JetBrains Rider IDE.

Senior backend developer freelance, Norik
Copenhagen, Denmark — 2019

Fixed several issues with their Identity server, set up back channel logout. Proof of concept Xamarin auth with Google APis.

Senior Backend Developer, Code Zoo
Hjørring, Denmark — 2017- 2019

Implementation of additional features to existing identity servers built with .Net

Core. Asp .Net core Identity, Entity framework core.   Design and development of a web application application which enabled third party developers to create their own clients on the identity server, designed and developed applications to assist supporters in diagnosing issues with the login server.. Docker, reddis, rebus, jager, unit testing, moq, Nhibernate, Identity server 4, Asp .net MVC, MVVM, and .net core

Support for third party developers using Oauth2, Openidconnect to connect to the rest api. Working on a full rewrite of the developer documentation.

Application Developer, TARGIT A/S
Hjørring, Denmark — 2012- 2017

I have spent a lot of my time creating Custom SSIS tasks and connection managers used by Targit customers to access external data and import it into their current data warehouse solutions for use with TARGIT.

Experience with: Ms SQL server 2005 - 2016, C# .net 3.5 - 4.5, WinForms

Accomplishments
- Created a system that allows for automatic mirroring of a Ms SQL server databases to the cloud.   System contains a Windows service application which runs scheduled, the service starts a client console application which backups a MS SQL Server database and compresses it. Once the file is compressed it is then uploaded to a Web Service running on a cloud server.   After being uploaded the file is then extracted and the database restored to the SQL server running on the cloud server.   The system is created in C# .net 4.5 and currently runs on Microsoft Azure.
- Created a custom SSIS data flow task that using C# .Net WinForms extracts data from Google Analytics and inserts it into a Sql server SSIS Data Flow.
- Created a custom SSIS connection manager that uses Oauth2 to authenticate to Google Analytics using C# Win Forms
- Altered a number of cubes, dimensions and business critical KPIs using SQL Server Analysis Services to take advantage of changes in the new version of Navision.

Web developer database expert, TARGIT A/S
Hjørring, Denmark — 2011-2012

Responsible for developing, testing, and deploying, a new website designed to allow users to use TARGIT A/S via a web interface. Site was created using ASP .Net C#, MS SQL Server, and MySQL. Designed and maintained database objects including tables, user defined functions, views, and indexes.

Accomplishments
- Optimized MySQL database to improve analytic speed.
- Designed system for uploading csv files for automatic load into the system.

Developer, Logimatic A/S

Design, development and maintenance of the Renomatic VB 6 application on a MS Sql server database backend.

Accomplishments
- Assisted in porting of VB 6 application to VB .Net
- Created several stored procedures one for simplification of user management.
- Optimized database table indexes, and stored procedures

Oracle Developer, Logimatic A/S
Aalborg, Denmark — 2008-2009

Design, develop and maintain LOGIA Warehouse Management application using Oracle, SQL, PLSQL, Oracle Forms

Accomplishments
- Enhancements and bug fixes of Oracle Forms 4.5 application
- Created several stored procedures.
- Optimized database table indexes, triggers, and stored procedures

Developer, Telvera
Nykøbing Mors, Denmark — 2008-2008

Worked creating websites using the Joomla CMS, also created specialized mods for our users websites. Work with soap web-service to create a system that would allow users to send bulk messages to group members.

Accomplishments
- Created several customer specific specialized Joomla mods. One sent an email to the admin when a user submitted a comment containing their IP address.
- Created a soap web service that would send SMS text messages to members of a group.

Web Developer, IM Teknik
Karby, Denmark — 2007-2008

Created websites using PHP and MySQL running on Apache.

Accomplishments
- Created a CMS system using PHP and MySQL, designed to allow us to create small websites for local business
- Revamped the company's existing website.

Developer, Bilnfo
Thisted, Denmark — 2001-2006

Developing enhancements to the Bilinfo application in PowerBuilder and Visual basic 6.   Created several stored procedures used in the exportation of data to bilbasen.dk. Helped to optimize the Microsoft Sql Server database for best search

performance for Bilbasen.dk

Accomplishments
- Improved search response time by 20 seconds by adding a number of well thought out foreign keys to the MsSql Server database.
- Created a site scraping application to extract data from Bil Bogen.
- Created a VB 6 application to access data from RKI system for financial processing of customer data.

Web Developer / DMA, Murcurmedia
Nykøbing mors, Denmark — 1999-2001

Created several websites for customers using MySQL and PHP.   I was lead data model architect for all of the websites the company created.

Accomplishments
- Created a web crawler which crawled websites looking for links to other websites and stored the links and the raw HTML data for the site into the database. The plan was to create Denmark's "Google".
- Learned to love having Linux as a desktop operating system
- Created all of the data models for the websites created by the company.

Oracle Developer, The Hartford
Hartford, CT USA— 1995-1998

Helped to upgrade the Loss limiting system from Oracle forms 3.5 to 4.5. Created several stored procedures to ensure that items were correctly optimized.

Accomplishments
- I spent two weeks researching a bug that was reported by a customer.   I refused to give up I finally discovered that it was a bug in Oracle forms 4.5 which required that the Ole object be on the form even if it was set to 1 pixel.

Education

Newbury College
Associates, Computer Science— 1991-1994

Comprehensive education in the use of computing technology for problem solving. Programing courses included Basic, Pascal and turbo C along with classes in dos and management.

Graduated summa cum laude with a 3.6 GPA.

Personal Information

I was born in New Bedford, Massachusetts I moved to Denmark in 1998 and have lived and worked here since.   I have a permanent residency visa to Denmark.   I speak Danish fluently while my written danish is not perfect it is readable.

Projects

In 2012 I created Daimto.com to fill the gap I found in documentation for accessing Google APIs using C#.

I am very active on Stackoverflow where I currently have 70000 points.

In 2021 I Launched a new YouTube channel also for helping developers learn programming.

In 2013 Pete Frisella from the Google Analytics API team contacted me about assisting in Alpha testing the metadata API. At that time I was added to the Google Analytics Daring Developers Group where I have helped with testing of the Google Analytics API since. Later that year Pete nominated me to become a Google Developer Expert.

In 2013 I was contacted by Eyal Peled, the Google developer in charge of the Google API .Net Client library and began to help him support that. I have not made many changes to the client library itself, I leave that mostly to Googlers. I have been there to assist in testing and advice where I see changes needed. I also do a lot of the support on Stackoverflow for the client library.

In 2014 I launched a open source project on Github with sample projects for the client library. I have a new version of it which is auto generated using the Discovery service API and T4 template files.

I contribute to a number of open source projects. Google Apis .Net client, Google Analytics SDK.

2021 I am currently helping to bata test the new Google Analytics 4 apis.

I have assisted in a number of Google Beta tests over the last few years, most recently Google Cloud MS stack support.

2018 created Google Analytics sdk which allows .net developers to send Google analytics tracking hits from applications like apis, and backend services which would not be able to use the web javascript snippet.

2018 created a group of dotnet new templates for creating Google .net core projects with Google analytics and other google apis.

2018 contributor on the Identity server 4 open source project, currently rewriting a number of the quick starts and sample projects to bring them up to date with the current version of the technologies used.

Awards	Google Developer Expert for Google Analytics 2014 - current, Google Developer Expert for Identity platform 2015 - current
Public Speaking	Invited to speak at NDC Oslo June 2019 - speaking about identity server 4
Skills	- Languages: C#, VB .Net, PHP, .Net Core (Some Java, Go and Node.js) - Solution control: Sourcesafe, GIT, subversion, GitLab - Databases: Oracle, MS Sql Server, MySQL, postgresql

- Operating systems: Windows, Linux
- Scrum
- Oauth2, Identity Server 4
- Design and creation Rest API's
- Docker
- Redis, rebus, jager,
- Unit testing Xunit, moq, shouldly
- Blazer currently in my spare time.

References

Available upon request.