John D Lees

20 Castle Heather Road,
Inverness, IV2 4EA

07895141737
john@johndlees.com

www.johndlees.com
www.gitlab.com/johndlees

Summary

I am a self-motivated, articulate and highly proficient Senior Software Developer with a First-Class Honours Degree from Glasgow Caledonian University. Currently working at LifeScan Scotland where I have been for 4 years, working up from an intern to Senior Software Developer.

I develop and work with a wide range of applications from full-stack data management solutions, to visual applications on various platforms; independently, as team member and as a leader, predominantly using C#/.net or Swift.

I led the creation and development of the current SDLC model, code standards and DevOps system, using tools like Jira, Confluence, Bitbucket and Jenkins.

The bulk of my experience comes from the medical device sector, which means I am used to producing a high standard and volume of documentation while still delivering applications at high velocity and quality and I am good at communicating with a wide range of audiences and customers.

Software Work Experience

LifeScan Scotland Ltd

– Platinum Equity (Formerly Johnson & Johnson)

2018-Present	**Senior Software Developer**
2016-2018	**Contractor Software Engineer**
2015-2016	**Intern Software Engineer**

- o Developing and maintaining:
  - – Web Application
  - – Services/Console Applications
  - – Mobile Applications
  - – REST Web API's
- o Created/Maintained DevOps system
- o SQL Database Admin
- o Database Design
- o Validation
- o Documentation

Education

Glasgow Caledonian University 2010 - 2014	Audio Technology with Electronics - First Class BSc (Hons)	
Fortrose Academy, Scotland 2004 - 2010	Higher	Mathematics B, Physics B, Music B, Business Management B
	Intermediate 2	English C

Software Expertise

Main Languages	C#, Linq, Razor, Swift, T-SQL, JavaScript, Go, CSS, Java, C++, Arduino
Frameworks	.Net Framework/Core, MVC, WebForms, jQuery, Entity Framework
Applications	MS SQL Server, Git, Max/Msp, iis, Docker, Kubernetes
DevOps	Jira, Bitbucket, Jenkins, Confluence
Methodologies	Waterfall, Agile, Scum, Kanban

LifeScan Projects

Bespoke LIMS - *.Net Framework/Core, Web forms, JS, MS SQL, Linq, N-tier architecture, Unit tests*

Initially brought in to an inflight, heavily delayed, application that suffered from poor development practices. Tasked to make small admin/reporting screens, working up to small bugs and ending leading development.

The project where I have been recently spending most of my work time. Both in new development and in application support. I am the main resource and for larger updates I lead the development team.

Implemented good development practices (Source Control, Unit tests, proper bug tracking, coding standards) to work with the contractor developer to get the system in to a releasable state. After the initial release, there has been a driven focus to constantly improve the code base to allow it to be maintainable.

Full-stack development from debugging low level byte code on meter reading, different application libraries and several web front end applications.

This application required full validation to comply with FDA, DEKRA and other auditing agencies.

Legacy Data UI - *.Net Core, AWS, JS, Ajax, Clean Architecture, Unit /integration tests*

Project required a simple UI that calls Python scripts written by an external team.

Big focus on writing business rules first from the beginning.

Outside dependencies kept changing – the hosting server could not access the AWS instance so had to be moved. Was moved to a public server so required Okta integration.

The initial ask was to launch the scripts from an AWS instance, and then was moved to be on the local server. Using a switch in the Startup of the application, either can be used with a restart.

The scripts took up to 20 minutes to run, so the output was needed to be shown on the screen, so the console output was written to an InMemory database and that was polled for new content. A SQLite DB was planned, but the data did not actually need to be stored.

Asset Management DB - *.Net Core, Linq, Entity Framework, 3 tier architecture, Unit /functional tests*

Tasked with creating a solution to easily allow searchability for client PCs required ASAP and then new functionality added to include infrastructure assets (servers, components etc.).

Agile project built using TDD with very loose requirements and a big focus on planning for change.

Planned and developed the initial release alone, later the application was developed on by wider team.

IPC Visualisation - *.Net Framework 4.5, Linq, Entity Framework, SQL*

Designed and created display screens to show live, statistical and historical data of the manufacturing lines. Early work project, the front end was created in MS MVC and the data transferred between two separate SQL database sources using C# class libraries, a Windows Service and Entity Framework.

The code base has been continually refactored for maintainability only by myself.

LifeScan Mobility Tools - *.Net Framework, MVC, Linq, Entity Framework*

Full-stack business-wide project, which evolved from MVC into an n-tiered architecture application containing 10 projects. Various front-end applications using .Net Framework MVC, a console application for sending daily reminders, windows service, class libraries for Business Logic Layer and Data Access Layer, and the data was stored on an MS SQL database.

Another continually evolving application as the business uses changed.
Only developer on the project from requirements gathering to support.

Recruiting App – *Swift, Core Data*
Mobile application for HR to take to recruiting events.
The only developer on the project and created in Swift 4.2 quickly.
UI created Views programmatically and data is saved to device using Core Data.

PintJar – *Swift, Core Data*
Personal project to learn swift, still in local development, and paused, due to build hardware difficulties. The code currently uses swift 4.2, which cannot be locally built after my build machine died.
UI began using storyboards, changed to create views programmatically and Core Data used to store information on the device.
Alternative branch has option to connect to Monzo using the API and Monzo's OAuth2, but cannot be scheduled for release due to Monzo restrictions.
Future plans include a change to SwiftUI, Web API for saving information.

Interests

Music	Started playing guitar at 14, then gained an interest towards drumming, and playing bass. Following this I bought my first sequencer introducing me into electronic music production with Ableton Live and plugin development.
DJing/Music Production	Started producing electronic music 10 years ago, more recently interested in live electronic performances. I also used to DJ a lot in Glasgow at various nights and at festivals around Scotland
Sports	I follow the NFL and play for the local American Football team Highland Stags
Web	In my spare time I create websites for local businesses, bands and enterprises.
Photography	I like to take my camera out to places and videos of some gigs.

References

Available on request.