LEE OADES

SOFTWARE DEVELOPER AND CONSULTANT // LEE OADES CONSULTING LTD

👤 ABOUT

Versatile, experienced developer and problem solver. Reliable, self-motivated, professional and positive can-do attitude, friendly bloke.

Contracting since 2008, previous clients range from large financial corporations to the games industry, charities and start-ups.

Passionate about producing beautiful, well-tested, maintainable software, using best practices and industry standard design patterns, using an Agile and iterative approach.

Strong team player. Excellent business and client facing communication skills. Talented academic (1st Class Honours degree in Mathematics with Computer Science) with systematic problem-solving abilities.

💼 WORK EXPERIENCE

Starlizard   London + remote

Leading sports analysis and betting platform provider.
🌐 https://starlizard.com/
July 2022 – December 2024

Backend Cloud Developer

Highlights

Developed features for a complex, asynchronous, low latency, event sourced / event driven betting platform.

Handled bet execution, pricing, liability, market behaviour automation, sport event simulation, load testing.

Actor architecture using Microsoft Orleans. Subscriptions to Kafka streams. gRPC streams and Swagger end points.

Utilised many technologies and tools: Docker, K3D, Tilt, Kubernetes, MySql, Kowl, RedPanda, OpenLens, Helm, Kibana, DataDog, plus many AWS services

eCommonSense (Merchant Systems Group Limited) / ECI Software Solutions   remote

ECommerce solution for the builders merchant industry. eCommonSense aquired by ECI Software Solutions in Oct 2021

🌐 https://new.ecommonsense.com/

November 2020 – June 2022

Lead Integration Platform Developer

Highlights

Built a common mechanism between our front end Magento system and various Builders Merchant ERP systems.
Thin vertical slice components to better isolate feature implementations. Use of Mediatr for clean code separation.
Event driven architecture within AWS - API Gateways, SNS, SQS, Lambdas, MySql
Architecture declared through Terraform.

BCS   Swindon

The Chartered Institute for IT

🌐 https://www.bcs.org/

September 2019 – August 2020

Senior Software Developer

Highlights

Candidate registration system : Multiple independent, asynchronous .NET Core microservices, APIs, ASP.NET MVC websites and a Blazor client app deployed to AWS.
Distributed, event driven architecture within AWS (SNS, SQS, Lambdas, DynamoDB).
Cleanly built components utilising Mediatr, built using TDD, XUnit and mock builders.
Also co-developed .NET Core web application to replace legacy system. Included simple isolated SPAs in Knockout and Typescript, dynamic creation of Excel and Word reports using business supplied templates, sending customised emails.

Nationwide   Swindon

The world's largest building society

🌐 https://www.nationwide.co.uk/

September 2018 – August 2019

Senior Software Developer

Highlights

Developed .NET Core backend services for a new, large and complex distributed system for Mortgage Consultants to process new mortgage applications.

Hosted in Docker containers using Kubernetes.

Event driven architecture over Kafka. Storage in MongoDB.

Integration with many existing legacy services.

BCS   Swindon

The Chartered Institute for IT
🌐 https://www.bcs.org/
June 2015 – August 2018

Senior Software Developer

Highlights

Built .NET Core ASP MVC url for exam invigilators - Knockout, Bootstrap, OAuth, SQL DB, deployed to Amazon AWS EC2

Developed .NET image processing algorithms for detecting answer from a photo of an exam paper, eliminating lighting abnormalities / shadows and determining which circles were coloured in. High profile project request from CEO, concept to delivery in 3 months.

Significantly improved customer experiences and replaced several tedious, internal, manual processes through automation. Used AWS Lambdas and Step Functions to integrate internal systems with 3rd party vendors, Salesforce APIs.

Implemented a complete workflow for Salesforce development team – introduced source control, continuous integration, automated deployments, environment specific configuration. Provided training, documentation and support.

Royal Bank of Canada - Capital Markets   London

Global investment bank
🌐 https://www.rbc.com/
July 2013 – April 2015

Analyst Developer

Highlights

Front Office FX application provides live + historical data for quote and deal blotters, dealer intervention, position display.

WPF application.

Low latency streaming (RV & Solace into RX)

High unit test coverage and reduced regression costs through BDDs (nBehave).

Royal Bank of Scotland · London

Major retail and commercial bank

🌐 https://rbs.co.uk

September 2012 – July 2013

WPF Developer

Highlights

Back office P&L / Balance Sheet sign off application.

Multithreaded WPF application making heavy use of RX for its multithreading, receiving of updates, UI interaction etc.

Well-architected code and separation of concerns through MVVM, view-model first.

TDD maintains very high test coverage (+90%).

Trayport · London

Provides energy trading solutions for traders, brokers, and exchanges worldwide.

🌐 https://www.trayport.com/

January 2012 – August 2012

Silverlight Developer

Highlights

Flagship Commodities Trading Platform

Silverlight v5 multi-window out-of-browser application for traders providing live market prices.

Written in C# and F#. Created new features within the application as well as maintaining it, refactoring and improving its architecture, stability and performance, plus troubleshooting and fixing issues.

Autofac, MEF, RX, TDD, Moq, AgUnit, Silverlight Unit Testing Framework, SpecFlow, interop to C++ COM and Win32 components.

Agile methodologies, pair programming, peer reviews. Provided technical support to team members.

BNP Paribas · London

The largest French banking group and the largest bank in the Eurozone

🌐 https://institutional.bnpparibas-am.com/

August 2010 – December 2011

Senior Developer

Highlights

Developed enhanced WPF application framework including layouts, state persistence, magnetic windows, cross-process communication and eventing, common controls and styling and more

Live FX Trades blotter WPF windows application that displays live, filterable grids of FX trade data. TOC subscription service, communication using Protobuffers through RV layer, application used RX to throttle incoming data.

Live FX Position monitor WPF app that displays live FX positions on animated bar charts. Data can be drilled into to display different cuts e.g. by currency pair, client sector, region etc. Windows service uses continuous queries onto Coherence database and MDX queries into OLAP Cube.

◎ CONTACT

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https://leeoades.github.io/

linkedin
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github
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stackoverflow
lee-oades

🏛 EDUCATION

1993 1996

The University of Southampton
🌐 https://www.southampton.ac.uk/
🎓 Bachelor of Science with Honours

Mathematics with Computer Science

Grade: 1st Class Honours Degree

⋮☰ SKILLS

Coding **Advanced**

C# v12 .Net v8 Multithreading / async await MicroServices ASP.Net APIs TDD / Unit Testing in XUnit Functional style Best practices

Cloud **Advanced**

AWS Lambda Step Functions SNS SQS DynamoDB API Gateway EC2 S3 MySql

Tools **Advanced**

Jira Team City / Jenkins ELK / Kibana / DataDog Octopus Deploy / Terraform GIT

❤ INTERESTS

photography, retro tech, pixel art

playing acoustic guitar badly

poker, chess, board games, puzzles

playing football, supporting Chelsea Women

watching films, preferably well written ones

electric cars, solar, sustainability

☑ REFERENCES

> I've had the pleasure of working with Lee on a couple of occasions in the past decade, both long term consultant hires, and cannot recommend highly enough his skills and the way that he delivers them into teams and projects.
>
> When you hire Lee you're hiring much more than a professional, experienced, trusted and battle-hardened software developer.
>
> As well as the high quality outputs that you'd expect from a consultant developer like Lee, he also adds his abilities to generate, foster and maintain high levels of enthusiasm and collaboration in any team that he joins.
>
> *(extract from LinkedIn)*
> — Dale Titcombe, Head of IT, BCS, The Charter Institute for IT

> I have worked with Lee for many years, crossing several contracts / projects and I cannot rate him highly enough.
>
> Lee has been instrumental in revolutionising our ways of working and has never let me down when it comes to delivering quality product. He's also completely autonomous and finds ways of filling gaps even between tasks.
>
> *(extract from LinkedIn)*
> — Ken Maes, Application Development Manager, BCS, The Charter Institute for IT