

Mohammed (Mo) Djavanroodi

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An experienced software developer and technical leader with over a decade of experience driving software development, system architecture, and process optimisation. Proven track record in leading cross-functional teams, modernising legacy systems, and implementing robust CI/CD pipelines. Passionate about leveraging cloud technologies and microservices to deliver scalable, high-performance solutions.

Professional Experience

TECHNOLOGY LEAD - Optima Energy | 09/2012 - 07/2025

Company Overview: Energy Bill Validation

Led a team of developers and testers, mentored junior developers, and supported the VP of Product and Development in shaping technical strategy and delivery.

Key Achievements:

- Delivered product features and services, working with both internal and external stakeholders to ensure efficiency, accuracy and timely delivery
- Modernised legacy systems while maintaining functionality, utilising the stranger fig pattern
- Architected and developed scalable microservices for energy meter data ingestion, billing data loading and file and data processing
- Developed an internal QA platform for automated UI and integration testing
- Integrated Azure cloud services to enhance scalability and reliability.
- Designed and implemented CI/CD pipelines using GitHub Actions and Octopus Deploy.
- Worked closely with the SRE team to ensure efficient use of infrastructure.

Career progression:

- Technical Lead | 2022 – 2025
- Senior Software Developer | 2020 – 2022
- Software Developer | 2012 - 2020

Skills:

C#, F#, .Net Framework, .Net Core, HTML, CSS, JavaScript, Blazor, SQL, Entity Framework, Entity Framework Core, MySQL, NoSQL, RavenDB, SSIS, Unit testing, Xunit, NUnit, MSTest, Moq, FakeItEasy, Integration Testing, QA, Selenium, BrowserStack, Microservices, RabbitMQ, Azure Service Bus, Azure, AWS, GitHub Actions, Architecture, Team Leadership, Mentoring

SENIOR SOFTWARE DEVELOPER - Intelligent Data Systems | 07/2010 - 08/2012

Company Overview: Driver Licence Validation

Senior developer responsible for the architecture, design, and delivery of internal and external features.

Key Achievements:

- Designed and developed tailored application features and products, working with internal stakeholders
- Worked with external stakeholders to enable integration with external systems
- Architected, designed and developed a self-service portal to increase the availability of services to a larger market

Career progression:

- Senior Software Developer | 2012 – 2012
- Software Developer | 2010 - 2012

Skills:

C#, .Net Framework, HTML, CSS, JavaScript, WebForms, ASP.Net MVC, WinForms, SQL, Unit Testing, MSTest, SVN

ANALYST PROGRAMMER - Holiday Cottages Group | 05/2006 - 07/2010

Company Overview: Self-Catering holiday cottages

Analyst programmer responsible for designing, delivering, and debugging MI reports. Building and maintaining internal systems for data entry and data gathering for various teams within the business.

Website administrator responsible for the day-to-day running of the company websites, ensuring data accuracy and tracking, managing, and QA testing on new features developed by the development team.

Career progression:

- Analyst Programmer | 2008 - 2010

- Website Administrator | 2006 - 2008

Skills:

C#, .Net Framework, SQL, WCF, WPF, WebForms, SSIS

Previous experience:

- IT Support - Skipton Building Society | 09/2005 - 04/2006
- Owner Services - Holiday Cottages Group | 07/2005 - 09/2005
- Network Support Engineer - STARTS - HoRNet - 01/2005 - 06/2005
- Internet & International Desk - Holiday Cottages Group - Summer 2004
- Customer Services & Quality Assurance Data Entry - Holiday Cottages Group - Summer 2003

Education

University of Manchester - Manchester | 09/2002 - 07/2005

- BSc Computation

Ermysted's Grammar School - Skipton | 09/2000 - 07/2002

- A-Level: Maths, Biology, Economics, General Studies
- AS-Level: Physics

Aireville Secondary School - Skipton | 09/1995 - 07/2002

- GCSE - 10 including Maths, Science and English

Additional Information

- UK Citizen with full right to work in the UK
- Full clean UK driving licence