

Farzad Jalali

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Software Engineer, Architect, Leader, Problem solver, Think Tank

SUMMARY

As an Engineer, Leader, and Architect, I have worked with various agile teams to deliver business value for clients in different sectors. As a Solution Architect, I have worked with Clients & Business Analysts to produce Architectural design of the systems. Also as a Development Manager, I worked with other architects to materialise a software concept into reality and led the Test Engineers to ensure that the quality has not regressed, and assured the Product Owners that the team always delivers what they expected on time. As a mentor, I've always helped my development team members to achieve their personal career goals.

With sound educational background and experience, I am seeking a position to work with the finest professionals in the industry in a competitive and growth-oriented environment to satisfy the passion for learning, while contributing to the success of the organisation utilising proven skills, knowledge, and experience.

LEADERSHIP & SOFT SKILLS

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|--------------------------------|---------------------------------------|-----------------------|
| ▪ Hands-On Leadership | ▪ Project Management | ▪ Product Development |
| ▪ Training & Coaching | ▪ Performance Evaluation | ▪ Problem Solving |
| ▪ Process Optimisation | ▪ Leading Complex Projects | ▪ Oral Presentations |
| ▪ Delivering course & workshop | ▪ Prototyping & POC | ▪ Agile / Scrum |
| ▪ MVP approach | ▪ Introducing new Tech & Tools | ▪ Team Building |
| ▪ Recruitment | ▪ Code Review | ▪ Mentoring |
| ▪ Pair Programming | ▪ An advocate of Agile & BML approach | |

TECHNICAL SKILLS

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|---|----------------------------------|--------------------------------|
| ▪ Micro-service architecture | ▪ C# | ▪ ASP.Net MVC |
| ▪ Event-Driven Architecture | ▪ .Net & .Net Core | ▪ WinForm |
| ▪ Cloud-Native Development & Architecture | ▪ PowerShell | ▪ ASP.Net WebForm |
| ▪ API (REST/SOAP/OData) | ▪ T-SQL, SQL Server (6.5-2019) | ▪ WPF / MVVM |
| ▪ Enterprise Integration | ▪ AL Language (Business central) | ▪ JavaScript/HTML |
| ▪ Azure Cloud | ▪ Azure Function (serverless) | ▪ Unit testing/TDD |
| ▪ Containerizing & Docker | ▪ Azure DevOps & CI/CD | ▪ Design Patterns |
| ▪ Kubernetes - AKS | ▪ Git, TFS, Source Safe | ▪ Adhering to SOLID principals |
| ▪ Azure EventHub (Kafka API) | ▪ ERP | ▪ Stream Processing |
| | ▪ Azure CLI & Terraform | ▪ xUnit |

PROFESSIONAL EXPERIENCE

1E Ltd

July 2021 - now

Cloud Architect

1E is a leading Unified eXperience Management (UXM) solution provider that helps over 1,750 organizations globally actively improve the digital experience of all employees. The 1E Tachyon Platform offers a unique solution by consolidating and integrating digital experience analytics, IT automation, asset intelligence and unified endpoint management in a single platform.

I joined 1E force as cloud engineer to help transform their main product to be a cloud offering product (SaaS), I helped to transformation of product to be event-driven microservice with Azure EventHub & Linux based

microservices , I also involved in the process of training engineer to adapt the mindset/best practice of cloud native app developing.my main duty was:

- Running regular lunch & learning on different cloud subjects such as CI/CD, 12 factor, Azure PaaS services,...
- Adapting modern Authentication & Authorization for new SaaS/Cloud offering.
- Working closely with DevOps engineers to adapt Terraform & Azure CLI in their pipeline.
- Leading transformation of Tachyon Product to be a SaaS /Cloud offering product.
- Leading the Event-driven microservices by implementing the first few services with Azure EventHub, using Kafka API.
- Identifying the weakness in Engineering capabilities and come up with a plan to improve it (e.g. training)
- Working with Team leads & delivery leads to break down the tasks/feature.
- Introducing security vulnerability checking in CI/CD process with Snyk

BJSS

November 2020 - June 2021

Technical Architect

BJSS is an engineering consultancy for business with speciality in cloud agnostic design in making digital transformation and user engagement a reality. Passionate about design, BJSS engineer world-class technology solutions embracing strategy, software, cloud, data, AI and Automation. I assigned to different projects mainly as technical architect and my main duty was:

- Identify the business problems and come up with a solution.
- Identify and verify the functional and non-functional requirement (NFR) by engaging with BA team , stakeholders & senior management
- Design the architecture of the product or service based on functional and non-functional requirements.
- Create a vision of final product , and actively leading & supporting the team to produce the result with high quality
- Working closely with Cloud engineers & DevOps engineers to make sure everyone is aiming for the right vision and architecture. (I'm hands-on and sometimes I help them too)
- Producing the documents (ADR & Key decision) for process of elimination between different architectural options.
- Risk assessment against the most viable solution & other solutions and also against the team capabilities.
- Working/Brainstorming with Dev Team to make sure the delivery of the solution.
- Identifying the weakness in Engineering capabilities and come up with a plan to improve it (e.g. training)
- Working with Team leads & delivery leads to break down the tasks/feature.
- Overall technical responsibility for the delivery of your solutions
 - Working with business analyst and stakeholders and understand their vision and problems
 - Working on a solution that is understandable for different audience such as senior management and developers
- Document the Architectural decision records
 - Architectural pattern
 - Tech stack selection
 - Trade off of different options
- Presenting to a CIO/Stakeholders on a package selection & architectural solution
- Time to time, I like to stay hands-on, so I try to help some individual, for example:
 - Working with a technical tester and a support desk engineer to debug a time-critical P1 issue.
 - Working on a POC with Dev team ahead of next phase of projects
 - Helping a DevOps engineer to design a more effective pipeline
 - Helping a cloud engineer with a terraform problem.

Corethree Ltd

August 2020 - November 2020

Development Team Manager , reporting to CEO

Corethree is a specialist in digitizing tickets on mobile devices. Their main focus was traditionally on the transport industry. Our API server is capable of handling 10,000 hits per second on rush hour. It was quite an interesting

challenge for me since the Corethree is using some new tech/languages that was new to me, such as Java,Kotlin,Swift,AWS,... my main focus is to help the team to adapt the best practice, My responsibilities and achievements include:

- Managing a team of 8 developers in 3 sub-teams of
 - Server-side API team
 - Android team
 - iOS team
- Starting/implementing the process of implementing the CI/CD for mobile development teams.
- Starting the process of continuous improvement, involving the whole Dev team to be initiative and taking the ownership of changes.
- starting the process of Unifying Change Management Process for a different part of business and development team
- Shifting from bespoke Projects to implementing a white label product.

BerryWorld & Poupart Group
Senior Software Architect reporting to CIO

Feb 2017 - August 2020

BerryWorld is one of the largest and fastest-growing international fruit marketing and fresh produce companies in the world. My responsibilities and achievements include:

- Communicating technology strategy to CIO, business partners and investors.
- Saving £500,000 per year by implementing our own bespoke MDM (Master Data Management) system.
- Introducing & Implementing Azure Kubernetes Service (AKS)
 - Migrating to the .Net Core in order to be more Container/Linux compatible
 - Introducing Blue/Green, A/B, Shadow & Canary deployment
- Architecting & implementing external API at scale with kubernetes
 - Scaling up on-demand [Containers' resources e.g. CPU, memory,...]
 - Scaling out on PODS (Horizontal POD Autoscaler)
 - Scaling out on actual resource (Cluster Autoscaler in AKS)
 - For economic reasons, we only use resources that we need at any time, hence the scaling up is automated, but for testing purposes , I personally test the system against 10K calls per minute and it was working just fine.
- Implementing our CI/CD system with Azure DevOps from scratch, including a private NuGet server and putting our RDBMS Databases under Version control to be deployed automatically.
- Delivering workshop and training for the below subjects:
 - CI/CD with Azure DevOps
 - Docker and containers
 - Kubernetes & AKS
 - Azure PaaS services for developers e.g. WebApp, Azur Function, Application insight, Key Vault, OAuth2 with Azure Application registry, azure SQL, etc
- Implementing modern architecture for Azure Clouds:
 - Microservice Architecture, with Kubernetes, C#, ASP.Net Core
 - Event-driven Architecture & Stream Processing with Azure Function (serverless), Azure Service Bus, Azure Storage Account, Cosmos DB, C# and .Net Core
- Enterprise API Integration of in-house systems with complex third party systems including:
 - Microsoft Business Central (on-cloud) [ERP]
 - Microsoft Common Data Services in Dynamic 365
 - Microsoft Dynamic Nav (on-prem) [ERP]
 - Our Bespoke systems (e.g. sales apps, our portal, our trading partner API,...)
 - Cover many areas of business such as Accounting, SupplyChain and Sales.
- Risk Assessment
 - Identity any unknown/uncertainty in the future project
 - Identity the lack of any skills/language/technology that is required for the project
 - Strategizing to de-escalate the risk
 - R&D in order to figure out , how to deal with identified risk
 - Learn the best practice of new technologies that we can use to handle the issue.
 - Run workshops to teach the new tech to the rest of the team before the project starts.

- Sometimes , I learn a language for the sake of just one project, for example I learned AL in order to customize Microsoft Business Central's API (BC & AI were less than 1 year old at that time) , I never use the "AL" anywhere else!
- Training/Mentoring
 - I ran regular level-up sessions for Senior/Junior Developers e.g. Automated Test, TDD, Cloud Architecture, PaaS services, ...
 - Running workshop/training for whole team, whenever we need to adapt a new tech
 - Approve and improve the architecture proposal
 - Creating ADR (Architectural Design Record) in git
 - help the team to level-up their architectural skills

BerryWorld & Poupart Group

April 2011 to Jan 2017

Software Development Manager (Head of the Development Department)

- Managing a team of 9 Engineers and 1 UX Analyst as Head of Development Department
- Leading the team to produce well-engineered and tested software solutions
- Taking Line management responsibility by mentoring/coaching team members, running regular 1:1s and assisting with recruitment.
- Ensuring that engineering principles and best practices are followed
- Code review & Pair programming with my engineers
- Resource management and resolving resource conflicts.
- Creating and maintaining a collaborative environment that is mindful of Agile practices
- Building short-lived task force for urgent projects and use in-house and offshore resources
- Working directly with Stakeholders and Business analysts, understanding what they need, both from a business and technical point of view.

BerryWorld & Poupart Group

May 2007 - April 2011

Senior Full Stack Developer

Delivering several projects using C#, SOAP, REST Services, ASP.Net and Asp.Net MVC, SQL Server, WPF, MVVM, WCF Services, WebAPI:

- **Dynamic ERP Portal Project:** A public-facing portal to enable external users to use our internal ERP System
- **InternalApp Project:** A WPF Application which works as a Single Pane Of Glass and entry point for several legacies and new systems with multiple types of technologies to help our internal users have an easier experience navigating and using multiple systems
- **External Core API Project:** An external-facing API gateway for integration with our customer's (Supermarkets, Fruit Suppliers, etc...) services to help automate the ordering, forecasting, delivery confirmation, and several other purposes
- **Poupart Agent:** A Workflow Management System with event-driven and Cron-Job scheduling triggers that automates multiple processes to help accounting, procurement, sales and quality control manual tasks.
- **SupplyChain Flow:** A public-facing website for our suppliers, the website enables them to integrate their data within our system effortlessly.
- **SupplyChain API:** a public API that enables us to integrate our ERP input-output with our supplier. Translate the reference data between our ERP system and our suppliers. This way both sides save money as all processes were automated and didn't need to hire anyone for data entry, in addition, it helps to eliminate the chance of human error. Also, we receive our supply-Chain data in real-time which is a huge bonus for our sales team.

Affordable Car Hire

December 2006 to May 2007

IT Consultant

As a Software Engineer, I was responsible for development and delivery of the full lifecycle of the e-commerce website that allowed customers to search & book a car for their holiday in almost any popular holiday spot/airport on the planet. I delivered my work using C#, SQL Server, ColdFusion, SOAP and Ajax. In the short period of time I worked in Affordable Car Hire I optimized the software development process and improved the performance of the existing website and helped with better customer experience.

EDUCATION & TRAININGS

Education

B.Sc. (Hon) in Computer Software Engineering (Azad University)
Azure Fundamental Certificate (az-900)

TRAININGS

- Diversity and Inclusion Training (2020)
- Fundamentals of Software Architecture (2017)
- Documenting Software Architectures (2017)
- Insights Discovery Workshop (2017)
- Microsoft Azure for Developers(2016)
- Agile Course (2013)
- Difficult Conversations Workshop (2013)
- Effective Meetings (2012)
- Manual Handling in Offices -[risk assessment] (2012)
- Performance Management Focus Day (2012)
- Planning, Organising & Delegating (2012)
- Newly Appointed Manager (2011)
- Design Patterns (GOF) 2010
- ASP.Net MVC Training (2010)
- Silverlight (2009)
- Windows Communication Foundation (WCF) (2008)

Conferences

- Dev Week (London, until 2015)
- QCon London
- Microsoft Ignite
- SSD London (software Design & development)
- O'reilly Architecture Conference
- O'reilly Velocity Conference

HOBBIES

- Table tennis (Cheshunt's league), Swimming, Jogging, Chess, Badminton
- Reading Books & listening to audiobooks
- Travelling & exploring new places and new foods
- Learning new stuff, whether it's a new board game, programming language or anything else.