

Cosmin Onea

Software Consultant

A poly-skilled senior software engineer and solution architect with over 25 years of experience and a track record of solving hard problems from coding to operational issues. Able to scrutinise user requirements and empathize with users and stakeholders to gain a deeper insight on what the actual problem is. Good communicator of technical implementations.

Technical Skills

Agentic Engineering: LLMs, skills/agent development, autonomous/human-in-the-loop agentic SDLC pipelines

Disciplines: Team leadership, Agile (Scrum/Kanban), full software development lifecycle management

Practices: Domain Driven Development (DDD), Command Query Responsibility Segregation (CQRS), Event Sourcing, Test Driven Development (TDD) and Behaviour Driven Development (BDD), Continuous Delivery

Cloud: AWS, Azure, Google Cloud Platform

CI/CD Pipeline: Terraform, Packer, Azure ARM templates, TeamCity, Jenkins, Octopus Deploy, Git

Backend: .NET, .NET Core, C#, ASP.NET MVC/Web API, Node.js, WCF, SignalR

Messaging: SQS, SNS, MassTransit, Azure ServiceBus

Frontend: JavaScript, ES6, Aurelia, AngularJS, Knockout, JQuery, HTML, CSS, WebSockets, WPF, Windows Forms

Identity: ASP .NET Identity, Identity Server, Federation, OAuth 2.0, OpenID Connect, JWT

Containers: Docker, Kubernetes

SQL: SQL Server, Postgres, MySQL, Entity Framework

No-SQL: Elasticsearch, Cassandra, DynamoDB

Payments: ISO8583, APACS, PCI DSS

Achievements

Building the next generation payments platform for Tesco Stores

Finalist in the *UK IT Industry Awards 2017 (Digital Project of the Year)* for creating *IEG Vantage – Informa's* agribusiness intelligence platform.

Active speaker at various meetups about technologies and software development process including Domain Driven Design, AWS Lambda, Azure Functions, Lean Software Development.

Contributions to Open Source projects.

As Tech Lead at Just Eat, I designed and implemented many of the Call Centre applications with a focus on both usability and security.

Bootstrapped and implemented ActiveEfficiency, a multi-tenant software as a service platform on Windows Azure used to deliver 1E's services over the web.

Lead the 1E Workspace, a virtual environment delivery service that enables users to use their own devices at work without compromising on security.

Professional Experience



Tech Lead/Architect

From Feb 2026

Kingfisher, London

Built Kingfishers agentic (with humans in the loop) SDLC pipeline, including user story creation/verification skills, security reviews, SRE reviews and agentic execution pipeline (JIRA to Gitlab).

Agentic Engineering, Java, Spring Boot, Typescript, Node.js, Express, AWS (EKS, Lambda, CDK) Docker, Gitlab, Google Cloud Platform, Terraform



Associate Consultant

From Jan 2016

Equal Experts, London

Associate Consultant providing software engineering services to various clients, including Tesco, Informa, Springer Nature, SiriusXM, Pret, Kingfisher.



Tech Lead/Architect

Aug 2023 – Jan 2026

SiriusXM, New York

Java, Spring Boot, Typescript, Node.js, Docker, AWS (EKS, OpenSearch, Kinesis, CDK), GitHub Actions, Google Cloud Platform



Tech Lead/Architect

Sep 2022 – Aug 2023

Springer Nature, London

As the tech lead and architect, I worked closely with business stakeholders to plan, architect, design and implement the business-to-business e-commerce platform.

Springer Nature Engineering has a policy of using boring technology rather than “magic” technology, where frameworks like Spring and Hibernate on the backend and React/Angular/Vue on the frontend were strongly discouraged.

Led a tech team implementing business requirements without using any sophisticated frameworks. I went back to basics of using simple Kotlin libraries such as http4k and jdbc on the backend and Express and handlebars on the frontend while keeping the team productive and achieving the business and product goals.

Kotlin, Typescript, Node.js, Express, Docker, Cloud Foundry, GitHub Actions, Google Cloud Platform, Terraform



Tech Lead/Architect

Oct 2021 – Sep 2022

Pret A Manger, London

Led the web team and worked with other architects to set the architecture and standards across Pret’s Digital Platform. ,

Designed the content management system for Pret’s international websites. I worked with Contentful architects to solve issues we identified Contentful has around internationalisation.

Set up the content type migration pipeline using Contentful migrations, so any change in content structure would go through a CI pipeline.

Designed and implemented the new digital publishing platform used to launch new franchise partners around the world in minutes instead of weeks/months previously.

Improved performance of existing sites by 10 to 20 times which improved both user experience and business cost with infrastructure.

Node.js, Typescript, Netx.js, React, Docker, Nx Monorepos, Google Cloud Platform, Terraform, Auth0



Chief Product Officer
Senior Software Engineer/Architect

Sept 2020 – Oct 2021

Contingent Technologies, London

Co-founded, raised venture capital and bootstrapped the team. Led the product team while keeping a focus on software engineering.

.NET Core, C#, Node, Typescript, Docker, Kubernetes, Google Cloud, AWS, Terraform, Angular, SQL Server, Postgres, Elasticsearch, Azure Pipelines



Senior Software Engineer (Enterprise Payments)

Oct 2017 – Sept 2020

Tesco, Farringdon, London

Building the next generation payments system at Tesco. Involved with the design and implementation of the payment authorisation and settlement pipeline for both Tesco Stores PEDs(Pin Entry Devices) and E-commerce payments.

Bridging the gap between the infrastructure and development teams to build and evolve the data centre production environment under the PCI rules and regulation.

CQRS, Event Sourcing, .NET Core, C#, Cassandra, Postgres, Docker, Aurelia, HaProxy, Web API, AWS, Octopus Deploy, Jenkins



Tech Lead/Senior Software Engineer

Jan 2016 to Sep 2017

Informa, St Paul's, London

Designed and implemented Informa's Agri Platform, an online publishing platform deployed on AWS and used to publish global agricultural reports and data. Worked closely with business stakeholders to understand and implement business requirements. Coordinated with Enterprise IT to implement the right VPC security policies and penetration testing strategy.

NET WebAPI, REST, BDD, Aurelia, OpenId Connect, Identity Server, Elasticsearch, AWS, Terraform, Packer



Tech-Lead/Senior Software Engineer

May 2014 to Dec 2015

JUST EAT, St Paul's, London

As a tech lead for the call centre apps, I was involved with the design and implementation of various business support apps. I worked on improving the JE Cloud to Restaurant infrastructure to be able to deal with millions of orders every month and more than 40,000 partner restaurants.

I was running the book club, a weekly group of software engineers exploring various programming languages and techniques for building software better.

C++, Pin Entry Device(PED) programming, NET WebApi, REST, HTML, CSS, AWS, CloudFormation, VPC, CodeDeploy, SQS, SNS, DynamoDB, TCP/Socket Level programming



Tech Lead/Senior Software Engineer

Nov 2010 to Apr 2014

1E, Ealing, London

Tech Lead - Shopping

Brought the legacy Shopping app up to date by progressively introducing HTML 5 and CSS 3. Changed the way the dev team was interacting with product and the business in general by focusing on talking about desired application behaviour based on metrics from production. Mentored junior team members.

Tech Lead - ActiveEfficiency

Bootstrapped the team and implemented ActiveEfficiency, the first Azure based multi-tenant software as a service solution of the company that was used to deliver 1E's services over the web. I was involved with setting up the team and the deployment pipeline. Implemented identity federation with customers to allow single sign-on for all users.

Tech Lead – Workspace

1E Workspace is a virtual environment delivery service that enables users to use their own devices at work without compromising on security.

- Introduced coding standards. The project came out of research where coding standards were not respected, no tests were written and maintainability was a major issue.
- Integrated Workspace into the ActiveEfficiency platform to enable multi-tenancy and subscription models.
- Introduced auto-updates for the client to establish the Continuous Delivery pipeline.
- Created the continuous delivery pipeline for the project.
- In terms of technology I used: C/C++ on the client, C# for the cloud services and management portal.
- Driven the refactoring using TDD and BDD of the Workspace client C++ code to a higher standard of quality. Everyone in the team could support it even if they did not write it all.
- Organized and hosted technical lunch break sessions, technical book clubs(DDD, Growing Object Oriented Software guided by tests, Implementing DDD), Friday afternoon code katas.

Azure, .NET, C#, ASP .NET, MVC, Web API, CQRS, Event Sourcing, Azure ServiceBus, Azure SQL, SpecFlow



Tech Lead/Senior Software Engineer

Jan 2009 to Nov 2010

British Standards Institution, London

Tech Lead of the team that delivered Entropy Software, an Enterprise Governance, Risk and Compliance system. Involved with product management and other stakeholders to better understand and translate business requirements into stories. Responsible with architecture and design of a cloud platform used to deliver BSI's services.

Used my advanced debugging skills to diagnose and improve legacy products saving significant amount of customer resources.

.NET 2.0, 3.5, 4.0, C#, ASP.NET, SQL Server 2005-2008, WWF, WCF 4.0, WIF, MVC.NET, Silverlight, PRISM, NHibernate, Rihno Mocks, TDD, REST, SCRUM, Cloud Computing, Multi-tenancy, Windows Security, Marklogic Server, Document oriented architecture, AD Lightweight Directory Services, AD DS, TCP/IP, COM

**Software Engineer**

Apr 2008 to Jan 2009

Q2Q, Lancaster

C# 3.5, VB.NET, ASP.NET, WebServices, SQL Server, SQL CE, LINQ TO SQL, Enterprise Library(Data, Logging, Security Blocks), CSLA Framework, CodeSmith, Smart Client Software Factory(CAB), Windows Workflow Foundation, Windows Communication Foundation, Test Driven Development, Microsoft Exchange SDK, SQL Server Analysis Services

**Senior Software Engineer**

May 2007 to Mar 2008

Primetel, Limassol, Cyprus

JavaScript, ASP.NET 2.0, C#, VB.NET, AJAX Extensions, SQL Server 2005, Windows Workflow Foundation, NHibernate, CSLA framework (www.lhotka.net), CodeSmith, Visual Source Safe, Telephony, Mobile Networks

**Senior Software Engineer**

Sep 2004 to Mar 2007

Amdocs, Limassol, Cyprus

JavaScript, Java (Core, EJB, Web Services), UNIX (AIX, Solaris, HP-UX), RDBMS (Oracle, MSSQL), Application Server (Websphere, WebLogic), Apache Web Server (configuring and writing modules in C), SQL queries execution plan analysis, Java code inspection and performance analysis

**Senior Software Engineer**

Jan 2003 to Sep 2004

Infoworld, Bucharest, Romania

VB6, COM/COM+ programming, C#, WinForms, VB.NET, ASP.NET, Web Services, Multi-tier distributed applications, Visual Source Safe, Microsoft SQL Server 2000, Data Warehousing, Reporting Services, Crystal Reports

**Senior Software Engineer**

Jan 2001 to Jan 2003

Interamerican, Bucharest, Romania

VB6, C++, MFC, ATL, Visual Source Safe, Microsoft SQL Server 2000, Windows 2000 Active Directory deployment and administration

Education and qualifications

1998 – 2003 BSc Cybernetics, Statistics and Computer Science · Academy Of Economic Studies, Bucharest, Romania

Dissertation: Using Web Services for business to business integration

2012 - Microsoft Certified Professional Developer - .NET 4

Interests and activities

Kiteboarding, playing piano