

# AASHISH KOIRALA

## FULL STACK DEVELOPER & HANDS-ON SOFTWARE ARCHITECT

Massachusetts, USA  
<https://www.linkedin.com/in/aashishkoirala> | US Citizen

16 years' hands-on experience designing, building and maintaining secure and scalable applications. Major experience with C#/.NET, SQL, JS with recent focus on microservices, DevOps and building cloud native applications with .NET Core, Azure, AWS and Kubernetes.

**GitHub:** <https://github.com/aashishkoirala>  
**Website/Blog:** <https://www.aashishkoirala.com>

## EXPERIENCE

### EBSCO Information Services

Ipswich, MA

System Architect 2020 – Present

- Worked on transition of eBooks platform from on-prem SQL Server based monolith to microservices on AWS using Kubernetes (EKS), Lambda and NoSQL; worked in an Agile SAFe environment

### Bond-Pro Remote

Chief Architect 2019 – 2020

- Designed and built microservices based surety bond submission system using .NET Core, Azure, EF Core, Kubernetes, Docker, Terraform and Angular
- Led Agile offshore team; also acted as DevOps resource

### Vistra/Radius/HSP Bedford, MA

Architect 2015 – 2019

Technical Lead 2012 – 2015

- Ported on-prem IIS based system to cloud-native Azure PaaS
- Rewrote service and security stack; rebuilt frontend using Angular, SignalR
- Built global payroll system that supports 150 customers across 20 countries
- Built workflow orchestration system based on Service Bus Messaging
- Led Agile offshore team; also acted as DevOps resource

### Verisk Health Waltham, MA

Engineering Director 2012-2012

Engineering Manager 2011-2012

Principal Engineer 2008-2011

- Took over post-acquisition abandoned codebase, revived and re-engineered it; became the resident expert for the system that then served as the company's flagship healthcare analytics platform
- Introduced standard ETL tools and practices to the BI delivery process
- Helped transition the software development process from waterfall to Agile
- Led and managed Agile onshore and offshore teams

### D2Hawkeye Services Kathmandu, Nepal

Software Architect 2007 – 2008

Senior Software Engineer 2005 – 2007

Software Engineer 2004 – 2005

- Built and maintained 12 medium to large scale custom software projects using .NET, Java, C++, SQL Server and Oracle for multiple clients
- Led and managed multiple development teams

<b>.NET/.NET Core</b>	C#, ASP.NET Core, EF Core, WinForms, WPF, MVC, WebAPI, SignalR, IdentityServer, WCF, Razor
<b>Frontend/JS</b>	JavaScript (ES5/6), TypeScript, Angular, React, Webpack, NPM, HTML, CSS
<b>Databases</b>	SQL Server/T-SQL, MongoDB, ElasticSearch, Redis, CosmosDB, Azure Table, AWS DocumentDB, DynamoDB
<b>Architecture</b>	Microservices, DDD, SOA, SOLID, REST, 12-Factor, 4+1, UML, GoF, Containers
<b>Messaging</b>	RabbitMQ, Kafka, Azure Service Bus, AWS SQS/SNS
<b>Security</b>	OAuth2/OIDC, WS-Fed, SAML, OWASP
<b>Tools</b>	Git, PowerShell, Bash, Helm, Visual Studio, VS Code
<b>Platforms</b>	Azure, AWS, Kubernetes, Docker, Linux, Windows, Serverless
<b>DevOps</b>	Azure DevOps, Jenkins, Terraform, Ansible, FluentBit, Kibana, Prometheus, Grafana, Jaeger
<b>Cloud (Azure)</b>	Kubernetes (AKS/ACR), SQL, CosmosDB, Key Vault, Storage, AD, Service Bus, Functions, App Service, ACI
<b>Cloud (AWS)</b>	Kubernetes (EKS/ECR), DocumentDB, DynamoDB, Lambda, SQS, SNS, Beanstalk, S3, Fargate
<b>Other Stacks</b>	Java, Go, F#, Rust, Python, Node

## EDUCATION

**M.S. in Computer Systems Engineering** Boston University, Boston, MA, 2010

**B.E. in Computer Engineering** Tribhuvan University Institute of Engineering, Nepal, 2005