AASHISH KOIRALA

FULL STACK DEVELOPER & HANDS-ON SOFTWARE ARCHITECT

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

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

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

EXPERIENCE

EBSCO Information Services
Ipswich, MA Remote
System Architect *2020 – Present*

- Re-engineered eBooks system; on-prem monolith to AWS microservices
- EKS, Lambda, SQS/SNS, DynamoDB, Aurora, DocumentDB, React, etc.
- Worked with multiple SAFe-based onshore/offshore Agile teams

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Independent *Remote*
2020 – Present

- Cloud platform architecture, cross-cutting development, DevOps
- .NET Core, Go, Azure/AWS, Kubernetes (AKS/EKS), Terraform, etc.

Bond-Pro *Remote*
Chief Architect *2019 – 2020*

- Built microservices based surety bond submission system using .NET Core, Azure, EF Core, Kubernetes, Docker, Terraform and Angular
- Led Agile offshore team; set up and managed cloud platform

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 supporting 150 customers across 20 countries
- Built workflow orchestration system based on Service Bus Messaging
- Led Agile offshore team; set up and managed cloud platform

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
- Transitioned 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 Software

TOOLS & TECH

.NET • .NET Core • C# • SQL • Go • JavaScript • TypeScript • NodeJS • Bash • ASP.NET Core • EF Core • MVC • Web API • React • Angular • Kubernetes • Docker • Linux • SQL Server • MongoDB • ElasticSearch • Redis • AWS (EKS, Lambda, DynamoDB, DocumentDB, RDS, Aurora, SQS, SNS, S3, Kinesis, IAM, Fargate) • Azure (AKS, Functions, App Service, ACI, AD, Storage, Azure DevOps, Service Bus, CosmosDB) • Kafka • OAuth2/OIDC • Git • PowerShell • Helm • Jenkins • Terraform • Ansible • FluentBit • Kibana • Prometheus • Grafana • Jaeger • Microservices • DDD • 12-Factor

EDUCATION

M.S. in Computer Systems Engineering Boston University, Boston, MA, 2010
B.E. in Computer Engineering Tribhuvan University Institute of Engineering, Nepal, 2005