

# Kuladeep Allam

Full Stack Engineer | .NET Architect | Azure Cloud Specialist | allamkuladeep@gmail.com | [\[LinkedIn URL\]](#)

## Professional Summary

Results-oriented Software Engineer with **7+ years of experience** architecting and building enterprise-grade solutions using **C#, .NET 8/Core**, and **Azure PaaS**. Proven track record of leading the design of **service-oriented** and **event-driven architectures** for high-scale applications. Expert in **cloud-native development** leveraging Azure Functions, Service Bus, and Cosmos DB. Deeply committed to software engineering best practices, including **SOLID principles**, **Domain-Driven Design (DDD)**, and **Clean Architecture**. Experienced in coaching junior developers and leading technical deep dives to foster a culture of continuous improvement.

## Technical Skills

- **Languages & Frameworks:** C#, .NET 8, .NET Core, ASP.NET Web API, Next.js, Angular, TypeScript.
- **Cloud & Azure:** Azure Functions, App Services, Service Bus, Event Grid, API Management, Key Vault, Cosmos DB, Azure Monitor, App Insights.
- **Architecture:** Microservices, Event-Driven Architecture, SOA, Domain-Driven Design (DDD), Clean Architecture, CQRS.
- **Data Storage:** SQL Server, Azure Cosmos DB, InfluxDB (Time Series).
- **DevOps & Tools:** Azure DevOps, GitHub Actions, CI/CD Pipelines, Docker, Kubernetes (AKS), Git.
- **Methodologies:** Agile/Scrum, SOLID Principles, TDD.

## Professional Experience

Charter Communications | St. Louis, Missouri **SDE IV (Full Stack Engineer)** | May 2023 – Present

- **Architect and build .NET-based services:** Lead the development of the Credit Calculator, designing scalable APIs using **C#** and **.NET Core/8**.
- **Cloud-Native Architecture:** Engineered a secure access layer using **Azure App Services** and **Key Vault**, implementing Authentication/Authorization (SSO) to meet enterprise security standards.
- **Microservices & Containerization:** Deployed microservices on **Kubernetes (AKS)** to handle **100k+ daily transactions**, ensuring high availability and fault tolerance.
- **CI/CD Implementation:** Designed and managed robust **CI/CD pipelines** (using Git/Azure DevOps paradigms) to automate testing and deployment, significantly reducing time-to-market.
- **Performance Optimization:** Collaborated with cross-functional teams to optimize SQL queries and backend logic, reducing login latency by 40%.

- **Leadership & Mentoring:** Coach and guide junior developers, conducting code reviews and architectural deep dives to ensure adherence to **SOLID principles** and clean code standards.

#### **Accenture | Remote/Hybrid Application Developer | June 2021 – March 2023**

- **Event-Driven Architecture:** Designed a **cloud-native**, event-driven microservices architecture for a next-gen IoT platform, integrating Vodafone LTE and Toshiba 4G hubs.
- **Azure PaaS Development:** Leveraged **Azure Functions** and **Event Grid/Service Bus** patterns to build a high-throughput message processing system capable of handling massive request volumes with sub-second latency.
- **Observability & Monitoring:** Integrated **Azure Application Insights** and Azure Monitor for real-time observability, reducing incident response times by 30%.
- **Distributed Systems:** Optimized network performance using Azure Cloud Services to ensure reliable connectivity for over **10 million devices**.
- **Collaboration:** Worked closely with solution architects and product managers to deliver a scalable solution advancing the UK's net-zero goals.

#### **75F APAC | Bengaluru, India Software Engineer | June 2018 – June 2021**

- **Service-Oriented Design:** Designed and developed "Facilisight Manager," a web-based portal monitoring energy and air quality across multiple sites using a **Service-Oriented Architecture (SOA)**.
- **Database Expertise:** Utilized **Azure Cosmos DB** and InfluxDB to manage large-scale time-series data, providing actionable insights for facility management.
- **Full Stack Development:** Built responsive cross-device applications using Angular for the frontend and .NET based services for backend logic.
- **Automation:** Developed an occupancy and vacation temperature scheduling feature, automating preconditioning to optimize energy use by ~35%.

#### **75F APAC | Bengaluru, India Intern | Jan 2018 – March 2018**

- Enhanced internal support portals using Angular and .NET, improving workflow efficiency for the support team.
- Assisted in database integration with Azure Cosmos DB to enable data-driven insights.

## **Education**

#### **Bachelor of Technology, Computer Science REVA University | 2014 – 2018**

## **Certifications**

- **Microsoft Certified: Azure Fundamentals**
- **Scrum Fundamentals Certified (SFC)**
- **Accenture:Certified Automation Engineer (Level - Specialist)**