

Uday C

Full Stack .NET Developer

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Profile

Full Stack .NET Developer with 4 years experience building and modernizing enterprise applications in banking, healthcare, finance. Proficient in C#, .NET Framework, .NET Core 6-8, ASP.NET Core, MVC, Web API, Razor Pages, Entity Framework Core, Dapper, LINQ, SQL Server, PostgreSQL. Skilled in Angular, React, TypeScript, JavaScript, HTML5, CSS3, Bootstrap. Build microservices, REST APIs, event-driven systems using Kafka, RabbitMQ, Azure Service Bus. Deliver cloud-native solutions on Azure, AWS (Functions, App Services, AKS, Lambda, S3, RDS). Implement CI/CD with Azure DevOps, GitHub Actions, Jenkins, Docker, Kubernetes; Agile, TDD, BDD; performance tuning, security.

Professional Experience

Bank of America

Full Stack .NET Developer

Jan 2025 – present

Texas, USA

- Designed and deployed **distributed microservices** using .NET 6/7, C#, EF Core, Dapper; cut API onboarding time by 35%.
- Built **secure REST APIs** (OAuth2, JWT, SSO, RBAC) and enforced **API Gateway** rate limiting/policies; increased throughput and compliance by 60%.
- Delivered modular **SPA** features in **Angular 14+** (RxJS, lazy loading, SignalR) and maintained legacy **React micro-frontends** with **Redux Toolkit** and **WebSocket**; reduced front-end load time by 48% and sustained 99.9% UI uptime.
- Engineered **asynchronous pipelines** and **event-driven messaging** with **Apache Kafka**, **RabbitMQ**, and **Azure Service Bus**; improved reliability and reduced latency by 45%.
- Optimized **SQL Server** (window functions, CTEs, partitioning, memory-optimized tables); cut analytics runtime by 50%. Integrated **PostgreSQL** and **Oracle/PLSQL** data paths for reporting.
- Automated **CI/CD** with **Azure DevOps**, **GitHub Actions**, **Docker**, **Kubernetes**; achieved **zero-downtime releases** and 70% less manual effort. Introduced **IaC (Terraform)** and container orchestration patterns.
- Implemented **observability** with **Azure Monitor**, **Application Insights**, **Prometheus**, **Grafana**, **OpenSearch**, **Serilog**, **Log4Net**; reduced MTTR by 42% and met SLOs with proactive alerting.
- Secured secrets via **Azure Key Vault** and **Managed Identity**; supported **SOX**, **HIPAA**, and internal audit controls.
- Refactored and **modernized legacy modules** in **Agile/Scrum**; improved sprint predictability and delivery timelines; 95% test coverage with **xUnit**, **Moq**, **FluentAssertions** and **Swagger** contract tests; 40% fewer rollbacks.

Environment: .NET 6/7, C#, ASP.NET Core, Web API, EF Core, Dapper, SQL Server, PostgreSQL, Oracle/PLSQL, Angular 14+, React, Redux Toolkit, RxJS, SignalR, Kafka, RabbitMQ, Azure Service Bus, API Gateway, OAuth2, JWT, SSO, RBAC, Azure DevOps, GitHub Actions, Docker, Kubernetes, Terraform, Azure Key Vault, Azure Monitor, Application Insights, Prometheus, Grafana, OpenSearch, Serilog, Log4Net, Swagger, xUnit, Moq, FluentAssertions.

Morgan Stanley

Full Stack Developer

Oct 2020 – June 2023

Hyderabad, India

- Built resilient micro frontends with **React**, **Redux Toolkit**, **WebSocket** for live market data; maintained 99.9 % UI uptime.
- Migrated reporting to **AWS Lambda** and **Step Functions**; reduced infrastructure cost by 30 percent and improved scalability.
- Tuned **SQL Server** and **PostgreSQL** with **execution plan analysis**, CTEs, **window functions**; accelerated reports by 60%.
- Implemented **Kafka Streams** for audit trails and event sourcing; integrated **OpenSearch** for real time log queries and compliance.
- Automated containerized deployments using **GitLab CI**, **Docker Compose**, **Terraform** to **AWS ECS Fargate** with **zero downtime**.
- Increased quality with **xUnit**, **Moq**, **FluentAssertions**, **Swagger** contract testing; 95 percent coverage and 40 percent fewer rollbacks.
- Monitored service health with **Prometheus** and **Grafana**; defined SLOs and proactive alerting.

Environment: .NET Core 5, C#, ASP.NET Core, EF Core, React, Redux Toolkit, WebSocket, SQL Server, PostgreSQL, Kafka, OpenSearch, GitLab CI, Docker, Terraform, AWS ECS Fargate, AWS Lambda, Step Functions, Swagger, xUnit, Moq, Prometheus, Grafana.

Optum

Software Developer

Dec 2019 – Sep 2020

Hyderabad, India

- Modernized lab data systems using **WPF, ASP.NET Web Forms, Windows Services**; reduced crash rates by **70 percent** and improved diagnostic uptime.
- Built **SOAP** and hardware integrations with **WCF, WSDL, XSLT**; strict schema validation cut ingestion errors by **80 percent**.
- Delivered dashboards and SLA reports with **SSRS, LINQ, indexed views**; improved report generation by **40 percent**.
- Designed **SSIS ETL** with **error handling** and **incremental loads**; reduced manual aggregation time by **60 percent**.
- Implemented **multithreaded Windows Services** for backups, versioning, and logging; achieved near zero failure rates.
- Refactored monoliths using **SOLID, Repository Pattern, layered architecture** to improve maintainability and parallel development.
- Wrote unit and integration tests with **MSTest** and **NUnit**; supported **ISO** compliance and reliable releases.
- Added telemetry with **Event Tracing for Windows, Windows Performance Counters**, halved incident resolution time.
- Automated **ServiceNow** runbooks and workflows; improved IT operations response by **30 percent**.

Environment: .NET Core 5, .NET Framework 4.x, C#, ASP.NET Core, MVC, Web API, WPF, Web Forms, Windows Services, EF Core, ADO.NET, LINQ, SQL Server, PostgreSQL, SSIS, SSRS, Kafka, Kafka Streams, SignalR, WCF/SOAP, XML, XSLT, GitLab CI, Docker, Terraform, AWS ECS Fargate, AWS Lambda, Step Functions, Azure Functions, Prometheus, Grafana, Azure Monitor, Application Insights, ETW, ServiceNow, MSTest, NUnit, xUnit, Swagger/OpenAPI.

Core Skills

- **Languages & Frameworks:** C#, .NET 6/7/8, .NET Core 3.1/5, .NET Framework 4.x, ASP.NET Core, MVC, Web API, Razor Pages, VB.NET, ADO.NET, LINQ, T-SQL, PL/SQL, Python, JavaScript, TypeScript, XAML, XML, JSON, GraphQL, WPF
- **Frontend:** Angular 14+, AngularJS, React.js, Redux, Redux Toolkit, Blazor, Vue.js, Razor View Engine, Bootstrap, jQuery, Material UI, AJAX, SignalR, RxJS, WebSocket, HTML5, CSS3, SPAs (NGRX, NGXS), Micro Frontends
- **Backend & Architecture:** Microservices, REST APIs, Domain-Driven Design (DDD), Clean/Onion Architecture, CQRS, Layered Architecture, Repository & Factory Patterns, Dependency Injection (DI), WCF, SOAP, Windows Services, gRPC, OWIN, API Gateway (Apigee/Ocelot), event-driven (Kafka, Kafka Streams, RabbitMQ, Azure Service Bus)
- **Cloud Platforms:** Azure (App Services, Functions, AKS, Event Hubs, Service Bus, Cosmos DB, Key Vault, Blob Storage, Monitor, Application Insights, Log Analytics), AWS (Lambda, S3, RDS, SNS, SQS, API Gateway, Step Functions, ECS Fargate), GCP (BigQuery, Pub/Sub, Stackdriver)
- **DevOps & CI/CD:** Azure DevOps, Azure Pipelines, GitHub Actions, GitLab CI, Jenkins, Harness, Docker, Docker Compose, Kubernetes, Helm, Terraform, OpenShift, Nginx, IIS, Apigee
- **Databases & ETL:** SQL Server, PostgreSQL, Oracle, MySQL, MongoDB, Redis, Cosmos DB; SSMS, SSIS, SSRS, Stored Procedures, Views, Indexing, ETL pipelines; Azure Data Factory, Power BI, Elasticsearch, OpenSearch, EPPlus, NPOI, QuestPDF
- **Testing & QA:** xUnit, NUnit, MSTest, Jasmine, Selenium, Moq, SpecFlow, Fluent Assertions, Swagger/OpenAPI, Postman, SoapUI, Contract Testing, TDD, BDD, GitLab Pipelines
- **Monitoring & Logging:** Azure Monitor, Application Insights, Azure Log Analytics, Serilog, Log4Net, Seq, Splunk, Prometheus, Grafana, OpenTelemetry, OpenSearch, ETW, Windows Performance Counters, Dynatrace, AppDynamics
- **Security:** OAuth2, OpenID Connect, JWT, SSO, MFA, Azure AD, IdentityServer4, RBAC, X.509 Certificates, Encryption at Rest, Azure Key Vault
- **Tools & Collaboration:** GitHub, GitLab, Bitbucket, TFS, Azure Boards, Jira, Confluence, Visual Studio, VS Code, JetBrains Rider, Slack, SharePoint, ServiceNow, Teamwork, Swagger, Postman, SSMS

Education

Certifications

- Microsoft Certified: .NET Fundamentals – Microsoft
- AWS Certified Developer – Associate – Amazon
- Microsoft Certified: Azure Developer Associate – Microsoft