

KUMAR CHANDRACHOODA

AWS & Azure Cloud and Data Architect
8+ YEARS, Agentic AI Engineering

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TECHNOLOGIES

Languages: C#, Python, TypeScript, JavaScript, SQL, T-SQL, PowerShell, Java

Frameworks: .NET 10/8, .NET Framework, ASP.NET Core/MVC, .NET Aspire, Entity Framework Core, Dapper, MediatR, Spark

Frontend: React, Angular, Blazor, HTML5, CSS3/SASS, jQuery, Bootstrap, Kendo UI

Backend: ASP.NET Core Web API, REST APIs, GraphQL, Web Sockets, RabbitMQ, Valkey/Redis caching, background services

Architecture: Microservices, Modular Monolith, event-driven, serverless, CDC (Debezium), medallion lakehouse, multi-tenancy, Well-Architected

Data: ETL, data modelling, PostgreSQL, SQL Server, MongoDB, DynamoDB, Iceberg, S3 Tables, Elasticsearch, Cosmos DB

AWS: Lambda, ECS Fargate, API Gateway, SQS, EventBridge, Glue, Kinesis, Lake Formation, S3, RDS, IAM, Secrets Manager, CDK

Azure & DevOps: AKS, Functions, App Service, APIM, Terraform (IaC), Azure DevOps, GitHub, CI/CD, Docker, Kubernetes, PCF

Observability: OpenTelemetry, SigNoz, Serilog, Kibana

AGENTIC AI

Disciplines: Prompt Craft; Context, Harness, Intent, Specification and Orchestration Engineering

Practice: Claude Code, multi-agent spec workflows, agent memory, swarms, AWS cloud AI agents

EDUCATION

MSc Advanced Computer Science (Cloud Computing), 2023, From [University of Leeds](#)

B.Tech in Computer Science Engineering, 2016, From [JSS Academy of Technical Education](#)

SUMMARY

I design and build cloud platforms that other teams can rely on. Over eight years I've moved from .NET web applications and microservice migrations on Azure to leading AWS cloud and data architecture. My recent work includes CI/CD and reusable infrastructure modules, platform standards for APIs and caching, GDPR compliance, and an analytical data product on the medallion architecture. I also use agentic AI in day-to-day delivery, with multi-agent workflows that take work from research to verified specifications, coding-agent harnesses, and tooling that people and agents can share.

EXPERIENCE

PebblePad

Role: Senior Software Engineer

Sep 2023 – Present

Leading AWS cloud solutions, data architecture and agentic development.

Accenture.,

Role: Senior Software Engineer

July 2021 – Aug 2022

I am involved in architecture, building a web application based on microservice architecture, and deploying to the cloud infrastructure.

Imaginea Technologies now part of Accenture., (Pramati Technologies)

Role: Senior Software Engineer

Dec 2017 – June 2021

Involved in building a web application based on microservice architecture and deploying it to the cloud infrastructure.

Cognizant

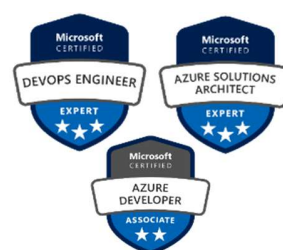
Role: Programmer Analyst Trainee

Feb 2017 – Nov 2017

Built webforms and MVC-based applications.

CERTIFICATIONS

- **AWS Certified Machine Learning Engineer – Associate**
- **AWS Certified Data Engineer – Associate**
- **AWS Certified Solutions Architect – Associate**
- **Microsoft Certified: Azure Solutions Architect Expert**
- **Microsoft Certified: DevOps Engineer Expert**
- **Microsoft Certified: Azure Developer Associate**
- **Microsoft Certified Solution Associate – Web Applications**
- **Microsoft Certified Professional – Programming in C#**
- **Microsoft Certified Professional – Querying Data with Transact-SQL**
- **Microsoft Technology Associate – Software Development Fundamentals**



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PROJECT DETAILS

I am a seasoned IT professional with a proven track record of contributing to and leading diverse projects. With hands-on experience in over 20 distinct projects, my expertise spans from serving as a Solution Architect to Team Lead and Senior Developer roles, and most recently to leading AWS cloud, data and agentic AI work. My career journey reflects a commitment to driving project success through innovation, teamwork, and technical excellence. I excel in architecting solutions that deliver value, providing leadership that fosters collaboration, and executing as a senior developer to bring projects to fruition. Through this multifaceted experience, I've honed my ability to adapt to varying project demands and consistently achieve outstanding results. The projects that follow are my most recent, showcasing my versatile skill set and passion for delivering quality outcomes; my full portfolio is at kumarchandrachooda.com.

AGENTIC DEVELOPMENT	Role: Built agentic tooling and workflows for infrastructure, deployment and the development of the Data Product's services. Stack: AI coding agents, agent tools, workflows, Agent Memory, Swarms and AWS Agent AI offerings. Built tools that carry niche infrastructure guidelines and the deployment process, so agents follow them. Built workflows that take work from technical specification through planning to development and testing, used for the data services built for the Data Product.
ANALYTICAL DATA PRODUCT	Role: Data architecture and engineering of the analytical data product, built entirely from AWS services. Stack: AWS Glue, Amazon S3 Tables (Apache Iceberg), AWS Lake Formation, Amazon Kinesis, Spark, AWS CDK Built the analytical product on the medallion architecture (raw, refined and reporting-ready layers) for more robust reporting, plus on-demand and large-volume analytics through a self-service portal. It is built entirely from AWS product offerings.
API FRAMEWORK	Role: Created the framework for building modern web applications on AWS, covering every aspect of web development, and built a couple of the APIs on it. Stack: AWS API Gateway, AWS Lambda, Amazon ECS, Amazon SQS, API standards, infrastructure modules (IAM, SSM Parameter Store, Secrets Manager and others) Tooling that covers every aspect of building a web application on AWS: the standard formats and supporting systems for an API, request handling through API Gateway on Lambda or ECS, queues with SQS, and the infrastructure modules for IAM, configuration in SSM Parameter Store and secrets in Secrets Manager, so a new service starts from a working, standard baseline. I also built a couple of the APIs on it.