

DILIP NANNAWARE

Experienced Software Engineer

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Bellevue, WA

Consultant Strengths:

I bring 20 years of experience in software development as an experienced Software Engineer and Tech Lead. I specialize in developing Microservices, cloud-native applications, cloud migration, and hybrid cloud applications.

I am proficient in Microservices, Web API, developing background workers with event streaming, ETL/Ingestion pipelines, and Single Page Applications using Angular/TypeScript. My technical expertise includes C# object-oriented programming, Angular/TypeScript Single Page Application development, Azure Cloud distributed computing, Cosmos DB NoSQL, SQL Server relational databases, and ETL/data analysis pipelines with Azure Data Factory, Databricks, and Synapse.

Education:

- Bachelor of Engineering
- Pune University - Amrutvahini College of Engineering
Maharashtra, India
- (Computer Science), Pune University - Amrutvahini College of Engineering

KEY ACHIEVEMENTS:

- Realtime Query G Integration to Data Lake
- Developed G Engineered Highly Scalable Web API Resulted in near Realtime query from Data Lake G Web API Stream.
- Storage Migration Success
- Migrated storage to Azure SQL Hyperscale, saving \$2.4 million annually.
- Data Latency Optimization
- Improved data latency to near real-time, advancing from 4-8 hours.
- SaaS Healthcare Product Payer Insights
- Developed SaaS Product helps Managed patients to get better healthcare

EXPERIENCE:

Principal Software Engineer

Microsoft Corporation

09/2019

Redmond, WA

- Software engineer developing applications in Commercial Finance domain
- Tech Lead of 5 team members involved in cross team collaboration on Query/Indexing Service, which functioned as the critical data foundation for various financial functionalities

- Developed a SQL-like query engine for the REST Web API to provide capability to query data from Data Lake and Streaming Service using CQRS and Lambda cloud architecture pattern.
- Improved service resilience by 50% by adding event-based processing capabilities for smoother traffic distribution
- Enabled secure partner access by implementing AAD/Managed Identity authentication, eliminating the need for secrets.
- Ensured service continuity during Azure Cosmos DB outages by implementing multi-write and soft fail-over strategies.
- Optimized backend pipelines, reducing compute costs by \$600,000 annually.
- Migrated the storage from Managed SQL to Azure SQL Elastic Pool Hyperscale, resulted in of \$2.4 million annually.
- Developed a Decryption Service to keep data secure in Lake and enable partner teams to decrypt/encrypt on a need basis.
- Implemented an event-based processing pipeline for Accelerated Data Ingestion, reducing data latency from 4-8 hours to near real-time (within a minute).
- Deprecated multiple redundant systems by developing a centralized cloud account store for Microsoft accounts.
- Led the migration of 1500 legacy Sangam jobs and custom middleware to Azure Data Factory and App Service, improving reliability and scalability
- Achieved compliance and performance optimization by migrating legacy ingestion systems to Azure Databricks and Synapse Analytics.
- Streamlined entity and partner management by building a centralized access control system using Angular.
- Enhanced quarterly reporting systems by contributing to multiple projects using ASP.Net MVC, C, Web API, and COMOS.
- Integrated legacy dashboards into an Angular SPA by implementing telemetry in the FRS application.

Lead Software Engineer - Full Stack
Athena Health sold by GE HealthCare
06/2016 - 08/2019
Seattle, WA

- As a software engineer specializing in healthcare applications, developed HIPAA compliant web applications, micro-services, and backend systems to automate the exchange of documents between insurance companies and hospitals
- Developed multi-tenant Single Page Applications (SPA) using AngularJS, Angular and TypeScript
- Designed and implemented a responsive and scalable multi-tenant SAS (Software as Service)
- Microservices, WebAPI, actor using .Net/. NetCore and hosted in Azure service Fabric, Service Bus and Event Hub

Senior Software Engineer
MindTree
05/2015 - 06/2016

Redmond, United States

- Worked as part of 10 team member team to develop centralized Catalog and Offer Management system using Distributed Cloud Azure Services for Microsoft as part of Commerce business.

Senior Software Engineer**Tata Consultancy Services****08/2006 - 05/2015****Redmond, United States**

- Wrote the software web services to host in Azure cloud in team of 10
- Developed UI using ASP.Net MVC in team of 3
- Developed event-driven model using Azure Service Bus and used table storage for distributed communication
- Programmed and automated the different features like Article, Gallery available on MSN.com
- Worked on data ingestion and content management system which are used for news articles for Windows 8 Launch
- Migrated legacy EHS HL7 messenger from C language to C .Net and
- WCF to meet customer Allscripts business requirements