

KETAN AGNIHOTRI - AZURE CONSULTANT @ MICROSOFT

SENIOR FULL STACK ENGINEER - .NET CORE REACT.JS | DEVOPS | 11.5+ YEARS

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SUMMARY

I am a team-oriented senior **full stack** engineer having expertise in front-end and back-end development. I design and develop web applications using .net core, react, Azure to deliver the product with quality code. I am eager to expand my skill set to grow together and prove success in leadership and organizational development. I like to **learn** new things every day, helping others to grow & taking help to grow.

TECHNICAL SKILLS

Technical Expertise: C# .Net core, **React.js**, **JavaScript**, Azure, OOP, Rest API, SQL, EF, Linq, Redux, **Micro-frontend**

Other Skills: MVC, **Typescript**, HTML, CSS, **Micro-services**, signalR, NoSql, React Native, JQuery, Code Quality, Performance improvement, System Design - **HLD, LLD**, Data Structures & Algorithms, Problem solving, CQRS. **IOT** applications using Azure IOT Hub, Azure Data Factory

Methodology: Cloud - **Design Patterns**, Agile, Cloud Migration & modernization, TDD, OWASP, Azure Functions

Tools: Git, Visual Studio, VS Code, ESLint, RabbitMQ, PowerBI, **Azure DevOps**, SonarQube, **CI-CD**, Containerization

EXPERIENCE

Microsoft - Consultant : Azure, react.js, .Net core

Jan 2018 - present

- **MediaCom System:** A Sale & Marketing web app built using react.js, micro-frontend, YAML, Docker, Kubernetes, and REST APIs
- **Egyptian Tax Authority (ETA):** B2C, B2B Web+Mobile on-premise app for citizen's taxation work built using react.js, REST API, RabbitMQ, Docker, Kubernetes, SRE, OWASP.
- **TK Elevator(TKE):** IOT based microservices using Azure, Functions, ADF, IoT Hub, Service bus queue.
- **European Commission (EC):** Text to speech web application built using Azure cognitive services, react.js

Deloitte USI - Technology Consultant

Mar 2017 - Dec 2017

- **Health Benefit Exchange:** Obama Health care project for state of Kentucky

Tavisca - Senior Software Engineer

Aug 2015 - Feb 2017

- **Kenobi:** Travel Products for banks to help customers redeem points to book hotels, flights, and cars

Saviant Consulting - Azure Developer

May 2014 - July 2015

- **DSA OLA:** Real estate product to help users view/book pieces of land online.

Other Innovatus, Execula, Persistent - Software Engineer & Intern

July 2011 - Apr 2014

- **Web Applications :** web app development using .net, javascript, html, css

RECENT PROJECTS

- **Text to speech project for public sector**

Tools & Technologies : React, Typescript, Fluent UI, Single-spa.js for micro-frontends, redux, Azure Cognitive services, REST APIs, Azure Active Directory, Azure Functions, CQRS, TDD, Terraform, IaC

Roles & Responsibilities:

1. Developed full-stack Text-to-Speech project for the public sector using React, Typescript, and Fluent UI.
2. Implemented micro-frontends with **Single-spa.js** for modularity and scalability.
3. Integrated Azure Cognitive Services for high-quality text-to-speech functionality.
4. Utilized Redux for efficient state management and consistent user interactions.
5. Secured the application with Azure Active Directory for authenticated access.
6. Built optimized serverless functions using Azure **Functions**.
7. Employed **CQRS** pattern for separation of read and write operations.
8. Practiced Test-Driven Development (**TDD**) for reliable codebase and achieving 90% code coverage.
9. Contributed to **agile** ceremonies and code reviews for teamwork.

- **Sales & Marketing Planning Solution**

Tools & Technologies: React, Typescript, Single-spa.js, Redux, Azure Active Directory, Azure Functions, TDD, OData, React Admin.

Roles & Responsibilities:

1. Led development of Marketing Planning Solution with 4 steps: Opportunities, Audit Planner, Solution, and more.
2. Created **custom component library** and design system.
3. Utilized JavaScript and React testing frameworks for robust testing.
4. Integrated AI algorithms to provide **marketing intelligence based on historical data**.
5. Generated monthly reports, gender-wise insights, and location-based analyses.
6. Collaborated with stakeholders for tailored marketing planning solution.
7. Secured application with Azure Active Directory for authorized access.
8. Developed serverless functions with Azure Functions for optimal performance.
9. Practiced Test-Driven Development (**TDD**) for reliable codebase.
10. Integrated **OData** and React Admin for efficient data management.

- **B2B & B2C Taxation system for public sector**

Tools & Technologies: React, Typescript, Single-spa.js, Azure DevOps, RabbitMQ, . Net Core, Redux, OWASP, Azure Active Directory, Azure Functions, CQRS, TDD, OData, Docker, AKS, Sonarqube, Grafana, Kibana.

Roles & Responsibilities:

1. Led end-to-end development of B2B & B2C Taxation System for the public sector.
2. Utilized React, Typescript, and **Single-spa.js** for a scalable and modern frontend.
3. Built a robust .NET Core backend to handle data processing and transactions.
4. Implemented Redux for streamlined state management and enhanced user interactions.
5. Developed serverless functions with Azure Functions for high-performance modules.
6. Employed **CQRS** pattern for improved maintainability and scalability.
7. Practiced Test-Driven Development (**TDD**) for a reliable codebase.
8. Orchestrated Docker and AKS for containerized deployments and scalable infrastructure.
9. Ensured code quality and security with Sonarqube's rigorous code analysis.
10. Utilized **Grafana** and Kibana for real-time monitoring and data visualization.
11. Worked on application security following **OWASP** guidelines, enhancing system protection.
12. Implemented **on-premise** deployment to meet specific security and data privacy requirements.
13. Developed a **mobile app** with limited functionality using **React Native**.

CERTIFICATION - *VERIFY*

- AZ-203: Developing Solutions for Microsoft Azure
- AZ-400: Designing and Implementing Microsoft DevOps Solutions
- MCSE & MCT: Cloud Platform and Infrastructure
- Worldwide Communities - Community SME 2020
- AZ-500: Microsoft Azure Security Technologies
- 70-486: Developing ASP.NET MVC Web applications
- Azure AI Engineer Associate - Microsoft
- 70-483 & 70-480: Programming in C#

KEY ACHIEVEMENTS & AWARDS

- Worked on **multiple industry** domains like automobile, real estate, Travel, Government taxation, Media, Worked as a full-stack engineer, **multiple cloud** services like Azure, AWS
- Helped organization optimize cloud consumption
- **Author** of a book on **serverless** computing using Azure Function.
- **Awards:** 1. SPL Award – April 2021, Microsoft ACAI | 2. Emerging Star – FY 2018, Microsoft EAS
- **Speaker** @ [geekle](#) react festival and mentoring juniors and actively taking trainings

EDUCATION

Aggregate percentage 63.3%, Bachelor of Engineering, Information Technology - **BEIT**, Pune University [2008-2012]