

# RAHUL KOKKARANIKKAL

FULL STACK DEVELOPER @ DELPHI

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## SOFTWARE ENGINEERING ♦ FULL STACK DEVELOPMENT ♦ TEAM LEADERSHIP

**Accomplished software development professional** with 11+ years of experience in designing, developing, and implementing innovative solutions across the **full stack**, specializing in **.NET technologies**. Prowess in **C#, ASP.NET, .NetCore, and MVC** frameworks, consistently delivering high-quality, scalable, and efficient code to exceed project requirements.

Collaborates with **cross-functional teams** in the successful completion of **complex projects**, demonstrating exceptional problem-solving skills and a strong understanding of software architecture. Proven track record of **transforming business requirements** into software solutions, collaborating with stakeholders to identify needs and deliver tailored applications.

**Key Clients:** JPMorgan Chase & Co | British Council | MoneyGram International

## PROFILE SUMMARY

~ **Champions Software Development Lifecycle (SDLC) right from requirement analysis, documentation (functional specifications, technical design), coding and testing (preparation of test cases along with implementation) to maintenance of applications ~**

- Prowess in leveraging **Object-Oriented Design** principles to create scalable and maintainable software solutions, applying encapsulation, inheritance, and polymorphism.
- Proficient in producing **high-quality code**, stored procedures, and functions in adherence to coding standards, ensuring the delivery of well-documented and robust code.
- Talented in contributing to the development of **engineering software tools** by designing, building, and testing (including the TDD method), while exploring opportunities to integrate digital technologies for enhanced applications and internal efficiency improvements.
- Adept at building streamlined CI/CD pipelines for **deployments** and troubleshooting build issues.
- Extensive expertise in architecting and optimizing **database structures**, utilizing SQL Server and Entity Framework to ensure data integrity.
- Excels in the **documentation** of software requirements, architectures, algorithms, interfaces, and designs for software systems.
- Skilled in employing **Agile methodologies** to streamline development processes, enhancing project delivery speed and team productivity.

**CERTIFICATIONS:** Microsoft Certified Azure Developer – Associate

**Awards JPMC Champion Award** (2021) Received client accolades and internal awards for exceptional performance.

## CORE COMPETENCIES

- |                            |                          |                                    |
|----------------------------|--------------------------|------------------------------------|
| ▪ Software Engineering     | ▪ Cloud Migration        | ▪ Deployment Processes             |
| ▪ Full Stack Development   | ▪ SDLC                   | ▪ Software Configurations/Upgrades |
| ▪ Cloud Computing          | ▪ Code Reviews           | ▪ Cross-Functional Collaboration   |
| ▪ Application Architecture | ▪ Technology Integration | ▪ Team Leadership & Management     |

**Technical Skills:** C# | .NET | .NET Core | .NET 6 | .NET 8 | ASP.NET MVC | Web API | Python | Flask | JavaScript | TypeScript | CosmosDB | MSSQL | Node | Angular | jQuery | NoSQL | Git | Azure web Apps | Azure Functions | HTML5 | CSS | Bootstrap | Oracle | UI/UX | Azure | AWS | Cloud Computing | Jenkins | JIRA | DevOps | CI/CD | GitHub Actions | XUnit | NUnit | Unit Testing | Lambda | OOP | Docker | Kubernetes | Kafka | REST API & GraphQL | Microservices | Distributed Systems | Deployment Setup (CI/CD) | Database Systems | OOD

## PROFESSIONAL EXPERIENCE

**Delphi Consulting Middle East** ----- **Sep. 2023 – Present**

Growth Path: **Freelance Consultant** | Sep. 2023 – Present ← **Senior Application Consultant** | May 2022 – Sep. 2023

**Senior Software Engineer | JP Morgan Chase & Co.** ----- **Apr. 2018 – Jan. 2022**

**Senior Software Engineer | CGI** ----- **Dec. 2016 – Feb. 2018**

**Senior Software Engineer | Sakhatech Information Systems** ----- **Aug. 2014 – Dec. 2016**

**Software Engineer | Data Template Infotech** ----- **Jul. 2012 – Jun. 2014**

### **Key Deliverables Across Tenures:**

- **Solution Development:** Spearheaded full-stack solution development, integrating front-end & back-end technologies to enhance system performance and user experience. Adopt cutting-edge technologies, ensuring continuous improvement and staying ahead of trends.
- **App Architecture:** Architect robust, scalable, and secure applications, exceeding client expectations and resolving complex technical challenges promptly. Conduct analysis of client business requirements, translating needs into comprehensive application solutions.
- **Software Configurations:** Tailor software applications to align with client specifications, orchestrating integrations and software upgrades. Managed software upgrades and migrations, ensuring minimal disruption to client operations and keeping applications up to date.
- **Codebase Efficiency:** Develop high-performance software solutions, optimizing code efficiency and conducting thorough code reviews. Implement best practices to optimize codebase, resulting in improved application performance and reduced maintenance overhead.
- **App Modernization:** Plan and execute migration of applications owned by the document management team from physical servers to the cloud, reducing costs and greatly increasing application speed.

- **SDLC:** Manage the entire software development lifecycle, ensuring high-quality software products and involvement in Agile development processes. Facilitate sprint planning and promoting a collaborative team environment.
- **System Optimization:** Innovate optimization strategies, enhancing system efficiency and reliability while enforcing coding standards and best practices. Implement security measures, conducting thorough code reviews and vulnerability assessments.
- **Deployment & Testing:** Oversee automated deployment processes, reducing errors and accelerating software updates. Optimize testing procedures through automated frameworks, facilitating early bug detection and improving system reliability.

#### **Key Achievements:**

- ✓ Collaborated with the legal team to develop a full-stack web application utilizing cutting-edge technologies such as Angular, .NET Core, Azure, C#, and MSSQL, implementing Test Driven Development (TDD) with **90%** unit test coverage.
- ✓ Implemented iManage Legal Document and Email Management System at JPMC, facilitating efficient management of work products for **2000+** legal attorneys, including the General Counsel.

### **P R O J E C T S   H A N D L E D**

#### **Title: KAFD Fit-Out Portal | Client: King Abdullah Financial District**

- **Description:** The KAFD Fit-Out Portal offers a specialized platform for tenants and KAFD tenancy managers to streamline the Fit-Out process. It enables collaboration between tenants and KAFD tenant management team.
- **Impact:** Accelerated the process of document sharing, review, and approval, resulting in **50%** decrease in turnaround time for pivotal decisions. Slashed expenses linked to paper-based documentation, printing, and storage by **~30%**.
- **Technology:** NetCore 6, Angular 14, Azure, WebApi, SQL Server, Entity Framework, jQuery, HTML, CSS

#### **Title: iManage – Legal Document and Email Management System | Client: JP Morgan & Chase**

- **Description:** JPMC has implemented iManage, a Document and Email Management System, tailored for the Legal department within the firm. The system is instrumental in overseeing the work product of 2000+ legal attorneys, including the General Counsel of the firm.
- **Technology:** WebApi, Angular, . NetCore, SQL Server, Entity Framework, JQuery, HTML, CSS

#### **Title: Application Modernization-Cloud Migration | Client: JP Morgan & Chase**

- **Description:** Orchestrated the seamless migration of applications owned by the document management team from on-premises servers to the cloud. This strategic move not only slashed costs but also significantly enhanced the speed and performance of the applications.

#### **Title: Legal Dashboard | Client: JP Morgan & Chase**

- **Description:** Teamed up with legal department to conceptualize and build a web application, elevating customer satisfaction and optimizing document management processes.
- **Technology:** Angular, .NET Core, Azure, C#, MSSQL

#### **Title: Aptis Plus | Client: British Council**

- **Description:** APTIS is a web-based tool designed to handle examinations conducted by the British Council. It emphasizes the synergy of three key elements—the test taker, the test system, and the scoring system—to derive a meaningful measure of a candidate's English language proficiency. By assessing these components, APTIS ensures evaluation aligns with a candidate's actual English language abilities.
- **Technology:** WebApi, Angular, .NetCore, SQL Server, Entity Framework, JQuery, HTML, CSS

#### **Title: Phlebotomist App (Platho) | Client: Patho India**

- **Description:** Phlebo App is an Android-based application for phlebotomists associated with patho.in. Registered phlebotomists utilize the app to reach patients at doorstep, collect blood samples, and record vital signs. The application facilitates payment transactions directly from the patients. Subsequently, phlebotomists transport the collected blood samples to the laboratory for tests.
- **Technology:** Web API, ASP.NET MVC4, Spring.net, Nhibernate, DbUp, MSSQL 2008

#### **Title: MGIALloy | Client: Money Gram International**

- **Description:** MGIALloy™ stands out as a customer-centric alternative financial services platform that empowers businesses and financial institutions to offer in-demand Alternative Financial Services (AFS) to their customers.
- **Technology:** Web API, ASP.NET MVC4, Spring.net, Nhibernate, Nunit, DbUp, MSSQL 2008

#### **Title: SMS (Student Management System) | Client: Xavier University School of Medicine, Aruba**

- **Description:** The SMS is an integrated solution for student administration and management, developed using three-tier web technology. The internet-based application is designed to optimize data collection, storage, retrieval, and record management. It enhances operational tasks such as admission, registration, scheduling, examinations, and grading, as well as management activities.
- **Technology:** C#, ASP.NET 4.0, Visual Studio 2010, SQL Server 2008, JavaScript, CSS, jQuery

#### **Title: YogaCareTrial | Client: London School of Hygiene and Tropical Medicine**

- **Description:** The study investigates the impact of a yoga-based cardiac rehabilitation program, known as Yoga-Care, on cardiovascular health. The research is conducted as a clinical trial in India and as a mechanistic study in the United Kingdom.
- **Technology:** Asp.net, C#.net, ADO.net and MS SQL Server 2008, JavaScript, jQuery

### **A C A D E M I C S   &   C R E D E N T I A L S**

**Bachelor of Engineering (Electronics and Communication) | Cochin University of Science and Technology, India -----2008**  
**Diploma in Electronics | Government Polytechnic College Tirurangadi, Malappuram, India -----2004**