

Abhisek Sinha**Phone:** +61-415 714 678 / +91-95237 37997 (WhatsApp)**Email:** sinha.abhisek@gmail.com**Summary**

TOGAF certified professional with 20 years of expertise in IT and financial services, specializing in enterprise architecture, digital transformation, and business consulting. Proven leader in delivering major solutions for large organizations, with a focus on scalability, performance optimization, and regulatory compliance.

Key Achievements

- Designed and implemented a robust business lending solution using **Kafka** at **Westpac Bank**, enabling real-time data processing and seamless integration of disparate systems, leading to a **20% increase in loan processing efficiency**.
- Provided **strategic direction** and **technical leadership** in delivering major solutions across multiple projects and programs, ensuring alignment with organizational goals and regulatory compliance, resulting in improved project delivery timelines by 25%.
- Spearheaded a **digital transformation** project that resulted in a **30% increase** in customer satisfaction scores.
- **Authored** a comprehensive book [Event-Driven Architecture \(EDA\) for beginners using RabbitMQ and .NET framework](#), contributing to industry knowledge and best practices.

Key Skills & Competencies

- Solution Architecture
- Digital Transformation
- Project Compliance
- Technical Leadership
- Business Risk Management
- Performance Optimization
- Scalability Planning
- Security Compliance
- Agile Methodologies

Technical Skills

- **Technologies:** .NET, C#, Java, Microservice, API, Entity Framework, React, Angular
- **Databases:** MS SQL, Oracle, No SQL, PI/SQL
- **Event Driven Architecture:** RabbitMQ, KAFKA
- **Cloud Platforms:** AWS, AZURE
- **Modelling Tools:** Blueprint, MS Visio, Lucidchart
- **Version control:** GIT, Bitbucket, SVN
- **Project Management:** JIRA, Confluence

Work Experience**Westpac Bank, Sydney****Software Architecture Specialist (AUG 2021 - Current)**

- Defined current, **transition**, and **target state** solution architectures in alignment with domain and group architecture, incorporating experience across multiple architecture domains.
- Spearhead the successful delivery of solutions, overseeing the detailed **design** across the entire project and program portfolio.
- Applied deep expertise in the **banking domain**, specifically in **Customer Complaints**, **Online Banking** and **Business Lending**, to define solution architectures that align with overall domain and group architecture.
- Conducted thorough **architecture impact assessments**, evaluating the implications of proposed changes on existing systems, and prepared comprehensive documentation outlining the impact on various architecture domains.
- Ensured the delivery of critical **architecture artifacts**, including detailed documentation and architectural

diagrams, to effectively communicate the proposed solutions, impact assessment, and change details to stakeholders and project teams.

- Designed and implemented **Event-Driven Architecture (EDA)** for business lending solutions using **Kafka**, enabling real-time data processing and seamless integration of disparate systems.
- Led the end-to-end development lifecycle of the EDA framework, from conceptualization to production deployment, ensuring scalability, reliability, and performance optimization.
- Apply expertise knowledge of systems to inform **Architecture** and **Solutions Design** on optimal designs to ensure high quality solutions are delivered to the business.
- Deliver **cost estimates** for the design and development phase in partnership with the architect, business analysts, project management, subject matter experts and solution providers for projects to provide accurate and timely cost estimates.
- Provide **subject matter expertise** and advice regarding application asset lifecycle management, contribution to end-end incident recovery, problem resolution, service continuity management and asset integration points within the bank.
- Lead the diagnose and resolution of complex service (**cross infrastructure/application**) issues that may arise during the application/development life cycle to ensure effective development, maintenance, and support of applications.
- Track **solutions** through all phases and escalate issues to maintain effective governance, reporting and control.
- Provide high-level technical expertise to business/technology **stakeholders** to support relevant Suppliers and other business stakeholders.

Commonwealth Bank of Australia, Sydney

Solution Specialist (January 2020 – July 2021)

- Translate **business requirements** into detailed architecture and designs.
- Design and develop **robust, scalable, high performing, customer centric solutions**.
- Involved in **architecting, design, and development** of **Microservices** oriented architecture implementation with multiple autonomous Microservices.
- Exposure of using **CQRS** and **DDD** pattern in Microservices.
- Used API gateway pattern, acting as service providing single - entry point for Microservices. **Azure API Management** has been used for API Gateway needs.
- Implemented **Health Checks** monitor for services and container using built in .net core features.
- Used **Azure key-vault** per microservice for per environment (Development, Pre-Production and Production)
- Implemented **Asynchronous** event-driven communication where one microservice published events to an event bus and many Microservices subscribe to it to be notified. The event bus has been created using **RabbitMQ**.
- Maintain focus on industry and technical trends to allow evaluation and recommendation of changes to the business strategy/ architecture and application development and maintenance within all application domains.

Customer: Westpac Ltd, Sydney (July 2013 - Dec 2019)

Tata Consultancy Services

Technical Lead

- Document all technical requirements and design technical solutions utilizing architecture standards including all solution components and configurations.
- Involved in the SDLC phase of requirement analysis, design, and development of the web-based application using Asp.Net Core, Rest API, and SQL Server.
- Customized RESTFUL Web Service using RESTFUL API, sending JSON format data packets between front-end and middle tier.
- MS SQL Server (T-SQL) procedures and functions.
- Experience in working with React, services, templates, directives, services and dependency injection to create a SPA.

- Documents develop and test features on an iterative basis using the AGILE and SCRUM approach.
- Integrated Swagger for interactive documentation and API discoverability.
- Help the development team in terms of debugging, good practice, performance monitoring and tuning.
- Design and develop robust, scalable, high performing, customer centric solutions.

Customer: Standard Chartered Bank, Singapore (Feb 2013 – June 2013)

Tata Consultancy Services Limited

Technical Lead

- Led team of developers in the delivery of technical systems and components
- Ensured on-time, quality release of systems and components.
- Provided technical direction to development teams.

Customer: Humana, India (Feb 2013 – June 2013)

Tata Consultancy Services Limited

- Responsible for the initial implementation of MVC 6.0. C#, WCF solution for SCB.
- Prepare Unit Test Cases (UTC) and Integrated Test Case (ITC) for the developed code.
- The technologies used included MVC, C#, jQuery, TSQL and SQL Server 2012.
- Responsible for code reviews, code support, mentoring and coding to meet deadlines.

UnitedHealth Group, India

Senior Software Engineer (Aug 2007 – Aug 2011)

- Test, debug, diagnose and fix defects in the applications as per established testing protocols, guidelines, and quality standards to ensure that applications perform to specification.
- Analyze the features of the application, which were performing slower than expected and improve the performance to ensure that non-functional performance requirements are met.

Fidelity Business Service Pvt Ltd, India

Analyst Programmer (Feb 2006 – Aug 2007)

- Web Application development using ASP.Net and C#, SQL Server 2005 for the Application.
- Actively involved in SDLC Coding Standards, Unit testing & Integration Testing.
- Bug Fixing & Configuration Management using Microsoft Visual SourceSafe

CMC Ltd, India

IT Engineer (Aug 2004 - Feb 2006)

- Maintenance and support of .NET Based application.
- Actively involved in SDLC Coding Standards, Unit testing & Integration Testing.

Qualifications & Accreditations:

- Master of Science in Information Technology
- Bachelors in computer application

Employment Summary

- **Westpac Bank - Software Architecture Specialist** (Aug 2021 - Current)
- **Commonwealth Bank of Australia- Solution Specialist** (June 2020 - July 2021)
- **Tata Consultancy Services Ltd.** - Assistant Consultant (Sep 2011 - Dec 2019)
- **UnitedHealth Group** - Senior Software Engineer (Aug 2007 - Aug 2011)
- **Fidelity Business Service Pvt. Ltd.** - Analyst Programmer (Feb 2006 - Aug 2007)
- **CMC Ltd.** - IT Engineer (Aug 2004 - Feb 2006)