

Nilesh Charankar

With over 18 years of experience in the IT software industry as a Technology Leader, I am an Associate Principal dedicated to spearheading digital transformation initiatives using cutting-edge technologies like microservices, AI, and APIs. My role has involved driving impactful projects for major corporations, focusing on developing transformative software solutions primarily in the sectors of B2B banking, media, and healthcare. My journey in IT has been marked by significant achievements, from leading the creation of an Advanced Data Management Tool at LTIMindtree to developing revolutionary applications at Bank of America that led to substantial revenue growth and enhanced customer engagement.

My professional journey has been marked by my ability to lead and contribute to solutions that drive operational efficiency and enhance user experiences. Let me highlight some key aspects of my professional background:

Technical Highlights:

- My expertise spans across every stage of the Software Development Life Cycle (SDLC), encompassing Application Architecture and Execution.
- Strong background in .NET, API, C#, Microservices, Cloud (Azure, AWS, and Google), WCF, LINQ, Entity Framework, Python, and web technologies like XML, jQuery, JSON, and more.
- Proficient in Object-Oriented technology for software design and implementation.
- Experienced in Open AI and Generative AI for delivering innovative business solutions.
- Skilled in Database Development using SQL Server and Oracle, including performance tuning of SQL queries.
- Expertise in implementing CI/CD pipelines using Azure DevOps and conducting various levels of testing.

Professional Experience:

Throughout my professional journey, I have led development teams, designed robust architectures, and delivered tailored solutions for clients across various sectors. My strong communication skills, technical acumen, and problem-solving abilities have consistently driven successful project outcomes.

At LTIMindtree, working for Warner Bros. Discovery, I spearheaded the development of a cutting-edge Transaction and Identity Management System currently. I am responsible for creating high and low-level designs, architecting GUI elements in Angular, AI, .NET Core, implementing business logic using Azure functions, microservices, API etc.

During working with Previous organization as Lead Developer delivered for the Physician Compensation Solution project and along many more projects focusing on architecting GUI using Angular, AI with Python, .NET Core, Microservices, AI and database design in SQL Server 2016, AWS and Azure Cloud and CI/CD deployment through Azure DevOps.

Noteworthy is my experience in Object-Oriented technology and Database Development using SQL Server, where I excel in creating stored procedures, functions, views, and triggers, along with optimizing SQL

queries for performance. I also demonstrated expertise in implementing CI/CD pipelines using Azure DevOps, conducting various levels of testing, including unit testing, system testing, and API testing, and following Agile Scrum methodologies for project execution.

My professional experience in artificial intelligence (AI) is extensive, encompassing various tasks such as natural language processing (NLP), machine learning (ML), computer vision, and code generation. I have been utilized in diverse applications including search engines, and product development, where I contribute to tasks ranging from content recommendations to customer issue resolution with efficiency.

In the rapidly evolving field of AI, I remain committed to continuous learning and exploring new opportunities to leverage AI for the betterment of society with different ways such as writing technical blogs, creating POCs and Mentoring peoples, sharing latest knowledge on different technologies including Microservice, API, AI, Cloud, Microsoft technologies. I am enthusiastic about AI's potential to enhance various aspects of life, such as Software Engineering and related fields. My dedication lies in utilizing AI responsibly and ethically, ensuring its application for positive impacts and safeguarding against misuse.

Innovation, Impact, and Influence

Extensive Experience and Diverse Roles: With over 18 years of experience, I held roles ranging from Associate Principle to Lead Full-Stack Developer and Senior Full-Stack Developer, showcasing a diverse skill set and deep industry knowledge.

Leadership and Impactful Projects: Led major projects for renowned corporations like LTIMindtree, Bank of America, COGNIZANT, TATA CONSULTANCY Services, and Hallmark Health care Solutions showcasing strong leadership capabilities and involvement in projects that have significant impact on the organization.

Innovative Problem Solver and Technical Prowess: My track record of developing groundbreaking technologies such as the Advanced Data Management Tool at LTIMindtree and revenue-boosting applications at Bank of America, demonstrating an ability to solve complex business challenges and drive substantial business growth through technical innovation.

Scholarly Contributions: Through academic contributions including research papers and expert peer reviews, actively contributes to the academic side of technology, pushing new benchmarks for technological excellence in the industry.

Quantifiable Impact and Community Engagement: Their focus on delivering significant business value through projects that have catalyzed over \$150 million in revenue growth and enhanced operational efficiencies by up to 30%, combined with a commitment to community engagement and mentorship, sets them apart as a well-rounded professional.

Scholarly Contributions

Key Achievements and Impact:

1. Led the creation of an Advanced Data Management Tool benefiting 50,000 B2B customers, resulting in a measurable 25% increase in customer revenue year-over-year.
2. Developed a Trading application that boosted annual revenue by \$50 million, while also enhancing customer engagement by 40% and business efficiency by 30%.

Academic Contributions:

1. Authored research papers such as "Testing Strategies with AI for Microservices and APIs" and "Optimizing Performance and Scalability in Microservices Via Event Sourcing", published in IJERT.
2. Pivotal research work has optimized operational efficiencies and customer engagement, influencing industry practices and academic discourse.
3. written multiple research articles covering AI Advancement for API and Microservices, AI-driven API and Microservice Architecture Design for Cloud, Leveraging AI to Bolster Cloud Security for APIs and Microservices, etc. These articles have been published on multiple blogging platforms including Dzone and Medium.

Elevating Academic Standards:

Critical reviewer for respected journals, ensuring high standards of rigor and relevance, shaping academic discourse in technology.

Thought Leadership and Influence:

I am deeply engaged in the tech community, holding influential roles on advisory councils, delivering keynote speeches at top industry events, and serving as a judge at technology competitions. These positions allow me to shape the course of future technological innovations and mentor the next generation of tech leaders, establishing a legacy of knowledge and inspiration.

Noteworthy Projects:

1. Led a digital transformation initiative utilizing advanced technologies (microservices, AI, APIs) at Infosys, resulting in 40% operational efficiency boost and improved client satisfaction'.
2. Architected and implemented the Card Swap in 5-minute Loan system, handling 71% of GDP transactions, showcasing significant impact in transforming the economic landscape.

Community Engagement:

Mentoring:

Dedicated to mentoring emerging professionals through platforms like ADPList.org and Medium.com, actively supporting the next generation in navigating tech careers.

Workshops and Seminars:

Organizing tech workshops, seminars, and training sessions to democratize knowledge, enhance skills, and foster continuous learning and innovation within the community.

Global Influence:

Engagement extends globally, positively impacting practices and standards across continents and industries, contributing to societal advancements in financial trading, healthcare, media, and entertainment industries.

Overall, as an industry leader, my track record of success in driving revenue growth, enhancing business processes, and contributing to academic and community growth makes me a valuable asset in the IT software industry.

Problem-Solving Skills:

Technological Advancements:

Spearheaded digital transformation initiatives using cutting-edge technologies like microservices, AI, and APIs, leading to substantial improvements in operational efficiency and client satisfaction.

Showcased a talent for pushing boundaries through forward-thinking research in AI-driven testing strategies for microservices and APIs.

Quantifiable Impact:

Demonstrated a profound impact on revenue growth and operational efficiencies, with initiatives resulting in over \$150 million in revenue growth and up to a 30% enhancement in operational efficiencies.

Leveraged expertise in areas such as digital transformation, financial technologies, and academic research to drive tangible and measurable results in various industries.

Certifications:

- MS.Net Framework and Windows Communication Foundation Application Developer
- Microsoft Office SharePoint Server Application Developer
- Udemy Angular Certification
- IBM's E-Commerce
- CCNA (CISCO)