Kashif Makhdoom

Technical Lead
Software Solution Architect
Lead Software Engineer
(Web, Mobile, Cloud)

CONTACTS

📞 +92 333 2451198
✉ kashifmakhdoom@gmail.com
in pk.linkedin.com/in/kashifmakhdoom
⬚ https://github.com/kashifmakhdoom
🌐 https://kashifmakhdoom.me

EDUCATION

BS in Computer Science (1st Division)
University of Sindh, Pakistan – 2002-2005

TECHNICAL SKILLS

DESIGN + ARCHITECTURE: SDLC, Requirement Gathering & Analysis, Agile/SCRUM, OOAD, UML, C4, Domain Driven Design, Design Principles and Patterns, SOA, Clean Architecture, Serverless Architecture, Cloud-Native Architecture, Event-Driven Microservices Architecture, Microfrontends Architecture.

DEVELOPMENT:
- **CLOUD**: Azure and AWS
- **BACKEND**: .NET - C#, WPF, ASP.NET Core MVC / WebAPI / Blazor, SignalR + NodeJS - NestJS, JavaScript, TypeScript.
- **FRONTEND**: ReactJS / NextJS, jQuery, HTML, CSS3, MUI, Tailwind, Bootstrap.
- **MOBILE**: MAUI + React-Native
- **SERVERLESS:** Azure Functions, AWS Lamdas
- **DATABASES**: SQL: MSSQL, MySQL, Postgres + NoSQL: CosmosDB, MongoDB
- **MISCELLANEOUS** : Ubuntu/Windows Server, PM2, Nginx, Redis, RabbitMQ / Kafka, Load Balancer / Api Gateway, etc.

DELIVERY: CI/CD, Azure DevOps / Git, GitHub, Jira, Docker / Kubernetes.

CERTIFICATIONS

- MCTS - (ASP.NET) Web Application Development with Microsoft .Net 4
- MCTS – Programming in C#
- AWS Solution Architect - Associate

PROFESSIONAL SUMMARY

Versatile and results-driven Software Craftsman with over **15+ years of experience** in leading cross-functional teams and driving the successful delivery of complex software projects. Skilled in all-stack development, architectural design, and project management, with a proven record of accomplishment in delivering high-quality solutions on time and within budget. Acknowledged for;

- Possessing strong communication and interpersonal skills, adept at collaborating with stakeholders to understand requirements and translate them into actionable plans.
- Proactive in providing technical guidance and mentorship to team members, fostering a culture of innovation, collaboration, and continuous improvement.
- Seeking to leverage expertise in technical leadership to drive impactful initiatives and deliver exceptional results.

RELEVANT EXPERIENCE

Freelance Solution Architect	*10/2023 – To date*
Teknophile Digital Solutions	*Karachi, Pakistan*

Key Responsibilities and Achievements;

- Work closely with clients to understand their business requirements, translate them into technical solutions, and offer expert recommendations on technology stack and system design.
- Create high-level design solutions and technical frameworks that meet client needs, ensuring scalability, performance, and security.
- Provide accurate cost, time, and resource estimates for software architecture and design-related activities.
- Work hand in hand with the team: collaborating with developers, testers, designers, and stakeholders to ensure alignment with the project's goals.

Technical Lead / Solution Architect	*10/2021 – 10/2023*
VentureHaven – Singapore	*On-Site in Singapore and remotely in Karachi, Pakistan*

Key Responsibilities and Achievements;

- **Led a team of seven engineers, dispersed across different geographic locations,** for the development of a highly customized, large-scale, multi-region, online **B2B service marketplace system for the corporate sector**. Established **strategic technology vision** and **development roadmap** for the **product and** the **team.**
- Conducted comprehensive assessments to **design** and **architect** viable **technical cloud-native solutions**. Set up a **framework of technical standards and procedures** for the team.
- **Build the engineering team and product from the ground up.** Oversaw product development, execution, monitoring, and control. **Mentored the development and QA team** during the entire **SDLC** through regular meetings; code reviews, brainstorming/catch-up sessions, detailed technical discussions, internal demos, etc.
- Implemented a **source control** system together with **DevOps** best practices such as **CI / CD**, automation, gated checks, etc.
- Worked closely with the **Product Owner, CIO, and CEO** to ensure delivery against agreed requirements and priorities to meet current and future customer needs.

- **Software Design and Architecture**
  University of Alberta
- **Software Product Management**
  University of Alberta
- **Fintech: Foundations & Applications of Financial Technology**
  University of Pennsylvania
- **Entrepreneurship and Innovation**
  University of Pennsylvania
- **Effective Communication in the Globalized Workplace**
  National University of Singapore
- **Foundations of Everyday Leadership**
  University of Illinois
- **Successful Negotiation: Essential Strategies and Skills**
  University of Michigan
- **Professional Skills for International Business**
  University of London
- **Management Skills for International Business**
  University of London

PROJECTS

+ **OpnCorp – B2B Service Marketplace**
  Web/Mobile based B2B customized service marketplace for corporate buyers and sellers.
  Tech-Stack: Azure: IaaS / PaaS, Azure DevOps CI/CD, Node/NestJS, .NET Core / Blazor, ReactJS, CosmoDb, MySQL, Jira, Figma, Agile, Microservices & Serverless Architectures.

+ **Traffic Security Control System**
  Web-based intranet traffic monitoring system for policing vehicles transiting into or out of prohibited premises for the Security department.
  Tech-Stack: Azure DevOps, ASP.NET MVC, jQuery, Bootstrap, SQL Server, Web Jobs, Agile, Clean Architecture

---

+ **Lab Management System**
  Web-based intranet information system for veterinary staff helps to manage animal healthcare records; diagnosis, prescription, results, etc.

- Established formal communication channels, **resulting in improved and effective communication among all stakeholders.**
- Independently authored and delivered **technology presentations to the team and management** to improve lagging technical knowledge and allow the **CIO to forge ahead with new technology initiatives**.

Senior .NET Developer	*12/2017 – 07/2020*
VivaTicket – Italy	*On-Site at Govt. Abu-Dhabi, UAE*

Key Responsibilities and Achievements;

- **Technical lead in IT capacity providing critical IT solutions / operational support** for all departments for their tracking and monitoring requirements.
- **Led teams** in design, development, and implementation of IT projects. **Engaged with SMEs** to understand requirements, advised, conceptualized, and translated those needs into working solutions; **Implemented collaboration AGILE way** and ensured stakeholder participation in project activities: backlog: features, tasks, bugs, etc.
- Coordinated planning, developed, and implemented end-to-end automated systems for internal users, **adopted paper-free policy**; **reduced paper cost by 80%.**
- Revamped existing applications resulting in **saved computing resources and cost**. Administered Backups and Source-control for owned systems.
- Provided **training and support** to the end-users. Established notable professional presence through improved productivity and delivery.

Team Lead	*07/2017 – 11/2017*
Al-Futtaim Finance – UAE	*On-Site in Dubai, UAE*

Key Responsibilities and Achievements;

- **Led a small team of three software developers** and redesigned UI for a web based Financial-Edge solution.
- Capable of understanding and contributing to the technical solution from **design/architecture through to the code level**. **Conducted reviews**, and **meetings with all stakeholders**.
- Reviewed client needs and team skill sets, and made staffing changes. Set up a formal project plan and assigned priorities. Provided technology assistance where required.
- Implemented project tracking tools; **Agile/SCRUM**; successfully communicated the status of the project to company executives such as the **General Manager,** and other key operation personnel, ensuring projects were on track.
- Maintained high standards of software quality within the team by establishing good practices and standards. **Identify and encourage areas for growth and improvement within the team on technical as well as functional grounds.**

Senior Software Developer	*07/2015 - 11/2016*
EnterMarkets - UAE	*On-Site in Dubai, UAE*

Key Responsibilities and Achievements;

- Developed and implemented **location-aware, tracking, and monitoring systems for UAE and KSA GOVT.**
- **Revamped application development framework and modernized it via AJAX-API architecture**. Later adopted as a **benchmark for subsequent systems**.
- Created plans that fit the scope; defined articulated project goals and milestones. Intervened to resolve technical and business issues using problem-solving skills.
- **Solved a challenge by implementing a third-party location tracking solutions** for a client, which was **highly appreciated and applauded by the CTO.**

- Adopted industry best principles and practices based on **clean architecture**.

Senior Software Engineer	*05/2014 - 06/2015*
Micromind Solutions – UAE	*On-Site in Dubai, UAE*

Key Responsibilities and Achievements;

- **Enhanced customized ERP named 'AXOLON'** as well as ensured its integrity.
- Maintained existing as well as **developed new modules on top of the system such as CRM, Manufacturing,** etc. from scratch.
- **Improved the security and accuracy** of the system through best practices.
- Researched, designed, and built proof-of-concept systems. Additionally solved multiple problems in data integrity.

Freelance Software Engineer	*08/2013 - 05/2014*
Interactive Euro Technologies – Russia	*Remote in Karachi, Pakistan*

Key Responsibilities and Achievements;

- Teamed with sales, marketing, and operations teams to brainstorm and implement ideas for fleet management and tracking systems representing leading-edge concepts within the transportation industry.
- Collaborated with **VP Operations and CTO** in strategies to further business growth, including Web/Mobile Systems enhancement that drove improved functionality and customer experience.
- Enhanced and developed bespoke ERP modules for contact center, sales, marketing, operations, and finance.

Software Engineer	*07/2009 - 07/2013*
United Bank Limited – Pakistan	*On-Site in Karachi, Pakistan*

Key Responsibilities and Achievements;

- Worked on banking applications including **net/mobile banking**, **financial edge, HR, and management applications** throughout SDLC.
- Executed processes for large-scale software implementations, including requirements gathering, component design, development of data integrity, communication procedures, and user acceptance testing. Successfully communicated the status of each project to Portfolio Managers, and key operations personnel, ensuring projects were completed.
- **Pioneered a key role in cross-platform mobile banking application development** through a joint venture program between UBL and IBM.
- **Developed award-winning applications for HR**, helping the organization save time, money, labor, and energy.
- **Honored with** the **'Best Employee of the Year' award for exceptional performance and perseverance**.

References Available Upon Request

Tech-Stack: Azure DevOps, ASP.NET MVC, jQuery, Bootstrap, SQL Server, Web Jobs, Agile, Clean Architecture

+ **Customer Ticketing System**
Web-based intranet ticketing POS system for customer center department.
Tech-Stack: Azure DevOps, ASP.NET MVC, jQuery, Bootstrap, SQL Server, Web Jobs, Agile, Clean Architecture

+ **On the Way (OTW)**
Mobile application for location tracking and sharing besides a real-time chat system.
Tech-Stack: Azure DevOps, Xamarin, ASP.NET Web API, jQuery, Bootstrap, SQL Server, Agile, Clean Architecture

+ **Ana Jahiz (I am ready!)**
Web/Mobile intranet system for location tracking and sharing with command and control feature for Abu-Dhabi Police.
Tech-Stack: Azure DevOps, .NET: ASP.NET Web API, jQuery, Bootstrap, SQL Server, Esri Maps, Agile, SOA, Clean Architecture

+ **Axolon - ERP System**
Windows-based ERP system for the Trading and Construction industry.
Tech-Stack: Azure DevOps, .NET: WPF, SQL Server, Agile, Clean Architecture

+ **UBL Net and Mobile Banking**
Banking application for customers, helping them to manage their bank accounts online or on mobile.
Tech-Stack: IBM WorkLight, ASP.NET MVC, jQuery, Bootstrap, SQL Server, Oracle, Agile, SOA

LANGUAGES

+ **English – Fluent** (B2 Level)
+ **Urdu / Hindi – Native**

INTERESTS

- **Enhancing** technical and interpersonal skills through books, articles, blogs, seminars, etc.
- **Active Learning** through PluralSight, LinkedIn, Udemy, Coursera, etc.
- **Travelling**, and **Motor-Biking**