

M. TALHA SIDDIQUI

SOFTWARE SPECIALIST



ABOUT

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WEB DEVELOPMENT

EXPERT

PYTHON
ASP.NET
JAVASCRIPT

DEVOPS

ADVANCED

TERRAFORM
AWS
AZURE

SOFTWARE ARCHITECTURE

ADVANCED

SCALABILITY
MODULARITY
RESILIENCE
API DESIGN
PERFORMANCE

SOFTWARE DEVELOPMENT

PROFICIENT

SUSTAINABILITY
PORTABILITY
SCALABILITY

PROBLEM SOLVING

ADVANCED

TROUBLESHOOTING
ROOT CAUSE ANALYSIS
DEBUGGING
OPTIMIZATION

SUMMARY

I am an experienced Services Consultant with a strong track record in code development, as well as providing operational support and implementation for various projects. With expertise in Python, ASP.NET, Javascript and API Management, I have delivered custom solutions that meet clients' unique needs. As a result of my attention to detail and problem-solving skills, I have been able to quickly identify and fix defects and respond to production incidents with ease. Additionally, I possess a background in solution architecture and have a deep understanding of the interplay between technology and business needs. My ability to work with cross-functional teams and collaborate effectively enables me to deliver innovative solutions that drive business success.

EXPERIENCE

ARCHITECTURE IN MOTION INC.

08/2017 - PRESENT

SENIOR DEVOPS ENGINEER

Successfully implemented API Management solutions, Azure AI Services and improved client satisfaction. Developed custom solutions, automated testing, and reduced system downtime.

- Leading the architecture and implementation of a secure realtime chatbot solution using Azure AI Bot Service along with Azure Cognitive Services.
- Led successful implementation of Layer7 API Management solution for a financial institution, resulting in improved system performance and increased client satisfaction.
- Developed custom solutions in Python and Java, automate testing and reduce defects, resulting in reduction of system downtime.
- Managed Jira workflows and tickets to improve efficiency and increase productivity, resulting in increase of team output.
- Responded to production incidents and fixed defects within tight deadlines, resulting in a high resolution rate within the SLA timeframes.

ARCHITECTURE IN MOTION INC.

08/2016 - 08/2017

API-M SUPPORT CONSULTANT

Supervised troubleshooting of production issues and renewed infrastructure with software patches. Automated routine tasks using Bash and API Gateway scripting, boosting productivity and efficiency.

- Supervised troubleshooting of production issues and renewed infrastructure with software patches.
- Automated routine tasks via Bash and API Gateway scripting for boosting personnel productivity and organization efficiency.
- Directed System Administration tasks for the Linux environment and deployed software on Production and Lower Environments.
- Setup and off-box application logs to syslog servers.

GEEKUNIT PRIVATE LIMITED

01/2015 - 08/2015

FRONTEND WEB DEVELOPER

Designed and developed user-friendly web interfaces and implemented new features on existing applications. Collaborated with designers and developers to ensure seamless integration and optimized web page load times through efficient coding practices.

- Designed and developed responsive and user-friendly web interfaces for multiple clients
- Implemented new features and functionality on existing web applications using HTML, CSS, and JavaScript
- Collaborated with UI/UX designers and backend developers to ensure seamless integration of front-end and back-end code
- Optimized web page load times through efficient coding practices and image optimization techniques
- Developed and maintained a component library to improve code reusability and consistency
- Utilized version control tools such as Git to manage code changes and collaborate with other developers
- Kept up-to-date with industry trends and best practices to continuously improve skills and stay current with emerging technologies

PROJECTS

GORIGHTFLEET NEXT-GEN CONNECT

04/2024 - PRESENT

DRAFT DOCUMENTATION

PROFICIENT

DOCSIFY
GITHUB
MARP
JOPLIN
MERMAIDJS
FORMSIO

COMMUNICATION

COMPETENT

FACE-2-FACE
EMAILS
PRESENTATIONS
CONFERENCE
BUY-IN TALKS
NEGOTIATIONS
LAYMAN CONVERSIONS
1:1S

LANGUAGES

URDU (NATIVE SPEAKER)
ENGLISH (FLUENT)

INTERESTS

SOFTWARE BASED HOME SOLUTIONS

Nextcloud
Odoo
Kodi

WATCHING DOCUMENTARIES

TED Talks
Kurzgesagt - in a nutshell
UiPath
Robotic Process Automation
PBS Space Time

- Developed a detailed technical design document of a secure chatbot solution outlining system architecture, data flow, and integration points, ensuring a clear roadmap for development.
- Leading the development of chatbot with ML RnD team to set up a Question Answering Chatbot.
- Set up Azure AI Bot Service having integration with Azure Language Understanding (LUIS) and Azure Custom Question Answering Service.
- Set up realtime communication of chat application using Signalr
- Provide oversight in creating test cases and leading the Quality Assurance (QA) efforts for the project. Oversaw the testing process, identified defects, and worked with the development team to ensure high-quality deliverables.
- Created and maintained projects and their queries in Azure Devops and collaborated with cross-functional teams to continuously track and report project velocity, burndown, cycle time, bugs and enhancements.

GORIGHTFLEET XP PROJECT - JUNE 2024

04/2024 - 06/2024

- Developed a detailed technical design document outlining system architecture, data flow, and integration points, ensuring a clear roadmap for development.
- As a business analyst role, collaborated closely with developers to ensure alignment between business objectives and technical implementation. Facilitated regular meetings with the development team to discuss progress, address technical challenges, and provide guidance on best practices.
- Played a pivotal role in bridging the gap between business stakeholders and technical teams, ensuring successful implementation of the Admin Portal & Mirlin Connect web applications on time and within budget.
- Took charge of creating test cases and leading the Quality Assurance (QA) efforts for the Admin Portal and Mirlin Connect web applications. Oversaw the testing process, identified defects, and worked with the development team to ensure high-quality deliverables.
- Created and maintained projects and their queries in Azure Devops and collaborated with cross-functional teams.

METROLINX PHASE I & II PROJECTS

06/2021 - 12/2022

- Developed a variety of APIs to interact with backend systems such as fetching tweets from Twitter accounts and retrieving weather data from AccuWeather. These APIs greatly enhanced data accessibility for clients and enabled more streamlined data processing.
- Designed and implemented a reverse proxy API to support a new microservices-based architecture for Railway Management System. Increased overall system flexibility and enabling the adoption of new technologies.
- Worked closely with clients to identify and prioritize requirements, resulting in the delivery of multiple successful solutions.
- Developed a custom, low-code security solution to monitor and mitigate potential threats, ensuring the safety and integrity of sensitive data.
- Designed and executed extensive test cases in both Postman and Apache JMeter, identifying and resolving multiple critical issues prior to production deployment.
- Quickly and effectively troubleshooted issues in production, reducing downtime and minimizing the impact on end-users.
- Collaborated with cross-functional teams to continuously improve system performance, security and scalability, resulting in increased efficiency and customer satisfaction.

PCFINANCIAL PHOENIX PROJECT

08/2019 - 01/2020

- Developed Layer7 API Gateway-based services to provide secure APIs for PCFinancial.
- Designed high-level architecture for the APIs, considering factors such as scalability, reliability, and maintainability.
- Worked closely with cross-functional teams including developers, testers, and business analysts to understand their requirements and ensure successful implementation of the APIs.
- Implemented CI/CD pipelines to automate the deployment process, allowing for faster and more frequent releases.
- Conducted thorough testing of the APIs using tools such as Postman and Apache JMeter, ensuring high quality and performance.
- Leveraged Kubernetes and OpenShift to deploy the APIs and maintain the infrastructure as code.
- Followed Secure Software Development LifeCycle practices to ensure the security of the APIs and protect against cyber threats.

LOBLAW ENTERPRISE & IDENTITY ACCESS MANAGEMENT PROJECT

01/2017 - 06/2018

- Developed and implemented policies for securing REST APIs using Layer7 API Gateway, resulting in increased protection against cyber attacks and improved compliance with industry standards.
- Collaborated with cross-functional teams to design and deploy microservices architecture, leveraging Layer7 API Gateway and other tools to ensure scalability and high availability of the services.
- Designed and implemented custom authentication and authorization policies using Layer7 API Gateway, enabling seamless integration with identity management systems and improving the overall security posture of the organization.
- Created and maintained documentation related to API development, policy management and infrastructure design, ensuring that stakeholders had access to accurate and up-to-date information.

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CERTIFICATIONS

BROADCOM

09/2023

CERTIFIED EXPERT, API MANAGEMENT IMPLEMENTATION 2023

BROADCOM

09/2023

PROVEN PROFESSIONAL, API MANAGEMENT IMPLEMENTATION 2023

BROADCOM

01/2018

PROVEN PROFESSIONAL, API MANAGEMENT IMPLEMENTATION 2018

EDUCATION

MUHAMMAD ALI JINNAH UNIVERSITY

01/2017 - 12/2018

MASTERS COMPUTER SCIENCE (MCS)

- Data Warehousing and Mining
- Distributed Systems
- Design Patterns
- Network Simulation

MUHAMMAD ALI JINNAH UNIVERSITY

01/2015 - 12/2016

MASTERS COMPUTER SCIENCE (MCS)

- Object Oriented Programming
- Mobile Computing
- Software Architecture
- Operating Systems

NEDUET

01/2010 - 12/2013

BACHELORS POLYMER & PETROCHEMICALS

- Polymer Engineering
- Fluid Dynamics
- Heat Transfer
- Mass Transfer