

Muhammad Nadeem Khan

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Overview

I am a **Solution Architect** and **Development Team Lead**. An enthusiast of **continuous integration, unit testing** and **agile** environments. Have hefty **product development** experience and the ability to thrive in a **fast-paced environment**. Outstanding project and **program leader**; able to coordinate and **direct all phases** of project-based efforts while managing, motivating, and guiding teams. A **team player** with excellent people skills. I have worked in **many programming languages** and frameworks based on the needs of the project. I always follow below when it comes to programming, databases, architecture and optimization.

- Initiation, inspect the project/module idea itself and **identify risk** and **gap analysis** in first place.
- Set Software Requirements Specification (**SRS**) between stakeholders, Project Manager and Business Analysts
- Develop, communicate, and enforce the **software architecture strategy** based on **Agile** Principles.
- Translate business needs and requirements into **technical requirements**.
- Clearly set team goals, delegate task, **set deadlines** based on **resource availability** and **project timeline**.
- **Monitor** and **Control** assigned tasks and resources.
- Supervising, managing and **motivating team members** on daily basis with **energetic positive attitude**.
- Always apply **SOLID principles** in my code with focus on **Design Patterns, Code Comments, Documentation** and **Use Case** documents.
- In depth knowledge of databases, have worked on **Relational, In Memory** and **Document Based** databases.
- Knowledge of Unit Testing, **Integration Testing**, and **Performance Testing**.
- Sound knowledge of security threats, like **Brute Forcing, Phishing, Man in the middle, Malicious Files upload, DOS / DDOS** and its corresponding solutions.
- Provide technical solutions, by choosing the right **Language, Database** and **Workflow**.
- Advocate Application Architecture, by choosing between **Monolithic** and **Micro Services** architecture.
- Proper implementation of **RTL support, Web accessibility & WCAG compliance** and deep understanding of **User experience** laws.
- Mentor and assist others, participate in **code standards** and lead **code reviews** focusing on **performance, reliability** and **maintainability**.

Technical Proficiencies

Operating System	Windows, Macintosh, Linux, Unix
Cloud Services	Amazon Web Services (Certified SCS-C01 & SAA-C02), Microsoft Azure, Google Cloud
Software Skills	ELK Stack, MERN Stack, Ansible
Development Methodologies	Agile, DevOps, Waterfall, Rapid Application Development (RAD)
Data Analytics Tools	Apache Spark, Grafana, New Relic
DevOps	Jenkins (CI/CD), SonarQube, Heroku
Source Management	Git, GitHub, GitLab, Bitbucket, Apache Subversion (SVN)
Micro Services	Kubernetes, Docker
Databases	MySQL, MariaDB, PostgreSQL, SQL Server, MongoDB, Redis
Frameworks	Laravel, WordPress, Yii
Project Management	Jira, Confluence, Trello, Asana
Backend	PHP, Laravel, Python, Express, Node.js
Frontend	HTML, JavaScript, React, Redux, jQuery, Vue.js, Smarty, CSS, Bootstrap
Queuing Protocol	Apache Kafka, RabbitMQ
Security	Burp Suite, SQL Injection Preventions, CSRF Attacks, Captcha Forms, Token Based Forms, Limit File Upload, Prevent Script Injections
Notification Services	Email Notifications, SMS Notifications, Push Notifications
Web Hosting	Domain, Email, FTP, Cronjobs, Site Statistics, cPanel, Plesk
API Integration	Pipedrive (CRM), MailChimp, Fresh Desk (Support Tickets)
Google Services	Webmaster Tools, Google Analytics, Google AdWords, Google Maps, Google APIs, SEO
Other Skills	User Experience Design & Development, Web Services, Strong SEO Knowledge, Product Management, WCAG 2.0, 2.1, 2.2, Performance Optimization, Progressive Web Apps

Work Experience

Solution Architect/ Team Lead

2interact – Dubai, United Arab Emirates

May 2017 – Present (4+ years)

- Responsible for whole architecture of the HRMS having 70+ integrated HRMS modules.
- Initiation, inspect the project/module idea itself and identify risk and gaps in first place.
- Set Software Requirements Specification (SRS) between stakeholders, Project Manager and Business Analysts.
- Develop, communicate, and enforce the software architecture strategy based on Agile Principles.
- Translate business needs and requirements into technical requirements.
- Clearly set team goals, delegate task, set deadlines based on resource availability and project timeline.
- Implemented JIRA and configured it with existing projects to track the history of each task.
- Supervising, managing and motivating team members on daily basis with energetic positive attitude.
- Reviewing source code and database updates using SOLID and ACID principles on approval. Also ensure it is well maintained and safe from vulnerabilities.
- Actively working setting up AWS strategies and deployment of different product/modules based on the client requirements.
- Complete the task and document everything from Customer Satisfaction to Lesson Learned.
- Performed Stress Test, Profiler, New Relic, Grafana and Cloud Watch depends on the client requirements.
- Conduct Technical Interview using STAR technique for team building.
- Onboarding, Coaching and guiding junior developers to maintain standard code design.

Senior Backend Engineer

2interact – Dubai, United Arab Emirates

May 2012 – April 2017 (5 years)

- Developed new features and fixed bugs in PHP, .NET, Smarty and MySQL.
- Actively contributed in converting Business requirements into technical requirements.
- Develop and deployed the Interact iOS Mobile Application for HRMS in Paly Store [Android] and App Store [Apple].
- Implemented the deployment pipeline using GitHub Actions and SonarQube.
- Help teammates in building new features.
- Reviewing source code and database updates using SOLID and ACID principles on approval. Also ensure it is well maintained and safe from vulnerabilities.
- Designing complex algorithm and queries for the developers.
- Wrote test cases for each component using JEST to ensure bug free application.

- Code reviews with the junior developers and mentoring them about best practices.
- Wrote scripts to scrape data from different websites using Python Scrapy.
- Participating with QA for Static Testing, Dynamic Testing and discuss security concerns on various cybersecurity technologies.
- Wrote test cases for each module using Jest, Enzyme and Testing Library and increased the code coverage up to 90%.
- Contributed in Data Migration using TRICKLE technique from MySQL to Oracle on separate servers.
- Back-end/Front-end performance tuning

Web Application Developer

2interact – Dubai, United Arab Emirates

May 2008 – April 2012 (4 years)

- Developed new features and fixed bugs in PHP, Smarty and MySQL.
- Resolved cross browser styling and responsive issues in the applications.
- Optimized the application which increased the overall experience.
- Implemented KPI Charts and Graphs.
- Work on integrating Commercial ERP API as GL Formats.
- Developed different Bank Files Formats, different bank Checks and Pay slips in Interact HRMS.
- Make sure SOLID and ACID principles are applied while writing code.

Web Developer

DWIZD IT Solution Providers – Peshawar, Pakistan

Aug 2007 – March 2008 (1 year)

- Frontend and Backend Web Development using PHP, MySQL, .NET, and SQL Server.
- Development and fixed bugs in online web systems
- Created token-based form submissions for the security measurements.
- Communication with Clients.

System Analyst/Database Designer

Khybersoft Technologies – Peshawar, Pakistan

May 2006 – Aug 2007 (1+ year)

- Creating the database and design the control flow for the client projects
- Design the database for the clients by creating the database objects such as tables, indexes, views, synonyms etc.
- Testing the database Security, Integrity, Backup and Recovery settings, Performance before handling the project to the client.

- Trained the Personnel/ Staff on Basics of Information Technology and how to work with the project that is created for them.
- Maintained and Managed the Local Area Network Containing Windows XP Workstations, Network Printer, Scanner etc.
- Dealing with many contractors which enhance my Human Resource skills arranging co-ordination between organization and Project clients

Professional Achievements

- AWS Certified Security - Specialty (SCS-C01) → Grade: Pass
[Registration Number: 389337202 – Date: Jan 22, 2021]
- AWS Certified Solutions Architect – Associate → Grade: Pass
[Registration Number: 382768451 – Date: Sep 29, 2020]
- Project Management Professional Preparation Course (SPPM01) → Grade: Pass
[Certificate Number: 5100082 – Date: April 18, 2013]
- Participating in Seminar on Management, Business, Commerce, Engineering and Information Technology. [Date: December 14, 2002]

Academic Achievements

- First Position Holder in BIT Hons. with GPA of 3.7
- First Position Speed Programming
- First Position General Quiz
- Second Position Innovative Ideas
- Developed **Online Ordering System** and **Result System** as a final project of my Bachelor degree.

Education

Honors Bachelor of Information Technology, 2003 – 2006

[University of Peshawar, Pakistan – First Position Holder]

Languages

English, Urdu, Pashto

References

Will be furnished on demand