

FARAZ AHMED

Project Manager / Senior Web Developer
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Senior Web Developer with 10+ years of background in creating and executing innovative software solutions to enhance business productivity. Highly experienced in all aspects of the software development lifecycle and end-to-end project management, from concept through to development & delivery. Consistently recognized as a hands-on and competent leader, skilled at coordinating cross-functional teams in a fast-paced, deadline driven environment to steer timely project completion within budgetary constraints. Extraordinary technical, legal and communication skills, makes him stand out of the crowd. Seeking opportunity to make exceptional contributions to your organization.

EXPERIENCE

2021 – CONT.

SENIOR PROGRAMMER, THE ISLAMIA UNIVERSITY OF BAHAWALPUR

- Team Lead in Scholarship Module. A module that manages scholarships accessible to 70+ thousand students of the organization. It digitalizes the process from applying to disbursement of funds.
- Team Lead in QEC Module. A web application that manages the affairs of the Quality Enhancement Cell of the organization and its 25,000 affiliated institutes. Online Surveys & Business Analytics are the subsets of this module.
- Team Lead in UMS on Cloud Project - A Multitenant University Management System.
- Team Lead in Finance Office Automation Project including Online SNE, Online Budget, Bill Section Modules, Cheque Section Modules, TADA Module
- Team Lead in Procurement & Stores Automation Project
- Team Lead in ISS Project – A Multitenant School Management System being used by the organization to manage its school franchises.
- Engaged in Structuring & Development of Directorate of ISS as **Deputy Director on Additional Charge**

2020 – 2021

PROGRAMMER, THE ISLAMIA UNIVERSITY OF BAHAWALPUR

- Engaged in **Digitalization of the Finance Office** of the largest public sector university of Pakistan. *Technology used was CodeIgniter with MySQL.*

- Engaged in Deployment of **iDempiere** – An Open-Source, ERP Solution to manage accounts and procurement, in Other Departments dealing in Procurement. **Technology: Java, Spring Boot, Postgres, Maven**
- Engaged in Structuring & Development of Directorate of IMS

2017 – 2019

SOFTWARE ENGINEER, [DEXTEROUS DEVELOPERS](#)

- Served local and international market
- Created full-fledged implementation plans, cost-benefit and other analyses
- Detailed improvements to restoration plans by creating detailed budgets, schedules and costing estimates for clients
- Developed long-term business strategy by using customer feedback to identify necessary process improvements
- Monitored contracts and service level agreements to identify potential risks and implement mitigation actions to protect development process from unforeseen delays and costs
- Managed project teams in Agile environment, realizing success through application of SDLC methodologies and exceptional leadership skills

2018

VISITING LECTURER, [THE ISLAMIA UNIVERSITY OF BAHAWALPUR – RYK CAMPUS](#)

- Served one of the prestigious institutes in RYK as visiting lecturer - CS Depart
- Improved students' technical skills by teaching state-of-the-art computer program technologies
- Supervised students' Final Year Projects

2017

VISITING LECTURER, [BROOKFIELD COLLEGE](#)

- Taught full-stack computer programming courses in the light of software engineering process models
- Developed semester outlines and instructional plans for each class session to comply with stated course objectives
- Collected, analyzed and tracked data on student progress using Moodle to update and enhance learning plans
- Lectured on Computer Science to approximately 1000 students

2015 - 2017

SOFTWARE ENGINEER, AEREZONA DEVELOPERS

- Team leader from preliminary investigation to implementation phase
- Worked closely with software development and testing team members to design and develop robust IT solutions to meet client requirements for functionality, scalability and performance
- Wrote highly maintainable, solid code in PHP and JavaScript for versatile systems and has won consistent praise from subsequent developers since initial version
- Trained and mentored junior developers and engineers, teaching skills in Coding and working to improve overall team performance
- Worked with project managers, developers, quality assurance and customers to resolve technical issues
- Wrote and optimized test cases to maximize success of manual software testing with consistent, thorough approaches
- Created accurate and efficient test scripts in Selenium to manage automated testing of certain products and features

EDUCATION

2020-CONT.

PHD, THE ISLAMIA UNIVERSITY OF BAHAWALPUR

- Synopsis, titled, Financial Sentiment Analysis using Blending Machine Learning Approach has been submitted successfully
- Research Work is under process

2018

MPHIL CS, NCBA & E, LAHORE

- Secured 3.5 CGPA
- Thesis: Collection of Autonomous System Level Topology using Looking Glass Servers
- Research Work Published in HEC Recognized Journal, "**Pakistan Journal of Science**"
- Majored in Computer Networks, Data Science

2015

BSCS, UNIVERSITY OF SOUTH ASIA, LAHORE

- Graduated with 3.19 CGPA
- Awarded Student of the Year for being exceptional in curricular as well as co-curricular activities
- Dissertation: Online Examination System developed in PHP based MVC Framework, **Yii2**

TECHNICAL & PROJECT MANAGEMENT SKILLS

- PHP + JavaScript (React or Vue.js)
- CodeIgniter, Laravel, Symfony, Yii2
- Idempiere ERP Solution
- Django & Python for Data Science
- Git, Deployer
- Selenium
- Docker / Kubernetes
- Linux Server Administration
- Virtual Box, VMWare
- AWS / Cloud Infrastructure Experience
- WordPress, Drupal, Magneto, CraftCMS
- SQL & NoSQL
- REST & SOAP APIs
- Project Planning and Development
- Technical Documentation Skills
- Leadership Qualities
- Negotiations Expert
- Punctual & Well Disciplined
- Proficiency in English Language
- Excellent Communication Skills
- Budgetary & Resource Management
- Time Management
- Adaptability & Flexibility
- Risk Management
- Problem-Solving Skills
- Team Player

FLAGSHIP PROJECTS

Project Name: [ERP Solution Deployment and Accounts Office Automation - MyIUB](#)

Organization: [The Govt. Islamia University of Bahawalpur, Pakistan](#)

Process Model: Spiral Software Development Process Model

Description: The ERP solution - [iDempiere](#), I deployed at the Islamia University, as a [Senior Programmer](#), has revolutionized their entire accounting system by providing them with a highly automated and efficient software that simplifies the complex financial management tasks. With my solution, the university can easily manage procurement, store management, billing, and cheque issuance with just a few clicks, which has resulted in significant time and cost savings. The project has not only enhanced the university's financial management capabilities, but it has also established my expertise in developing large-scale IT solutions.

- Successfully deployed an ERP solution in The Islamia University of Bahawalpur, automating the accounts office from gross-root level
- Digitalized the processes of SNE, Budget, Procurement, Store Management, Billing, Cheque Issuance, and other financial transactions
- Conducted comprehensive testing and training sessions to ensure smooth adoption of the new system
- Achieved significant improvements in efficiency, accuracy, and transparency of financial operations

Technologies used:

- iDempiere, Java, Spring Boot, Maven, SOAP & REST APIs, CodeIgniter for Reporting, SQL, Postgres, JavaScript, Bootstrap, JIRA, Gitea for VCS, Docker for Deployment

Key Achievements:

- Automated the previously manual and time-consuming financial processes, resulting in a significant reduction in processing time and errors
- Ensured the accuracy and transparency of financial data, improving decision-making and compliance with regulatory requirements
- Successfully implemented the project within the allocated budget and timeline, earning high praise from the client and stakeholders

Impact:

- Improved financial management and accountability, resulting in more effective use of resources and enhanced financial sustainability for the university
- This project highlights my expertise in deploying ERP solutions, automation of financial processes, and my project management abilities to deliver projects on time and within budget constraints.

Project Name: [Institute of Cloud – A Multitenant IT Product for School Management](#)

Organization: [Dexterous Developers](#)

Process Model: Scrum Framework

Description: As a **Project Manager** at [DEXDEVS](#), I led the development of an IT product for school management using the SaaS model. This product enables schools to manage their operations efficiently and effectively, while reducing paperwork and manual tasks. The key features of this IT product include:

- **Biometric Attendance Management:** The product allows schools to track attendance of students and staff members, and generate reports on attendance patterns and trends.

- **Fee Management:** Schools can manage fee collection, invoicing, and payment processing using the application. Parents can pay fees online through various payment gateways.
- **Exams Management:** The product automates the process of exams scheduling, marks entry, grading, and result generation. It also provides real-time analysis and insights into the performance of students and classes.
- **Payroll Management:** The application handles the salary calculation, tax deductions, and other payroll tasks for school staff members.
- **Multi-Tenancy:** The product is designed to handle multiple schools and users within a single application, while ensuring data privacy and security.
- **Reporting and Analytics:** The product generates various reports and analytics to help school administrators make data-driven decisions.

Technologies Used:

- CodeIgniter, JavaScript, React.js, AJAX, REST APIs, MySQL.
- JIRA: A project management tool used for managing the development process and tracking issues.
- GitHub: A version control system used for collaboration and code management.
- Docker: A containerization technology used for deployment and scaling of the application.

Key Achievements:

- **Improved data management:** The product has allowed schools to manage student data, attendance, and academic records more efficiently, leading to better-informed decision making.
- **Increased transparency:** With features such as online fee payment and real-time updates on student attendance, the product has increased transparency in school operations.
- **Enhanced communication:** The product has enabled better communication between schools, students, and parents through features such as SMS and email notifications.
- **Scalability:** The product has been designed to be highly scalable, allowing it to handle large volumes of data and accommodate an increasing number of schools and users.

Impact:

- The financial impact of this product on the software company was significant as it had the potential to generate a recurring revenue stream through the SaaS model.
- In terms of goodwill, the product positioned the software company as a leading provider of innovative and user-friendly solutions in the education sector, of the region, Southern Punjab.

Project Title: Biometric Election System for District Bar Association, RYK

Organization: District Bar Association, Rahim Yar Khan

Process Model: Agile Software Development Methodology

Description: As the **Project Manager** of a team of software developers and IT assistants, I successfully developed and deployed a Biometric Election System for the District Bar Association in Rahim Yar Khan. The system utilizes biometric data (thumb impressions) to verify the identity of the voters and ensure the accuracy and transparency of the election process. The technology used for development was Java Swing, and Jira was used for project management. Docker was used for deployment, and a website was created to display the election results in real-time. The project was worth millions of rupees and involved on-site setting up stalls for data collection.

Key Achievements:

- Implemented Agile practices such as daily stand-up meetings, sprint planning, and sprint reviews to ensure efficient and effective project delivery.
- Successfully managed a team of developers and IT assistants to complete the project within the given timeline and budget.
- Developed a robust Biometric Election System that ensures accurate and transparent election results.
- Implemented real-time result display through a website, providing instant feedback to the members of the District Bar Association.
- Received positive feedback from the members and office bearers of the District Bar Association for the successful implementation of the system.

Impact:

- Financial gain: The project generated a revenue of millions of rupees for the company, which contributed to its financial growth.
- Reputation and credibility: Successfully completing a project for such a high-profile client like District Bar Association, RYK enhanced the company's reputation and credibility in the market.

Project Title: Real Estate Management System (Multi-tenant)

Organization: Dexterous Developers

Process Model: Agile Software Development Model

Description: As a Project Manager for DEXDEV, I successfully developed a Multi-tenant Real Estate Management System, which provides a comprehensive solution to manage the rental and mortgage properties, as well as the properties available for sale/purchase. This project was developed using Yii2, MySQL, Bootstrap, Ajax, Monday.com, Git, and Docker.

My role in this project included:

- Developing and implementing the project using the Agile methodology
- Collaborating with the design and development team to ensure the application meets the client's requirements
- Creating and maintaining the database schema using MySQL
- Integrating React.js, Bootstrap and Ajax for better user experience
- Setting up the project management system using Monday.com
- Implementing version control using Git and ensuring code quality
- Deploying the application using Docker

This Real Estate Management System included an installment management system to manage the installments and a full-fledged accounting system to manage the accounts of a real estate firm. Additionally, it also had a marketplace feature to showcase all the available properties.

The successful development and deployment of this project have helped the company to acquire several new clients in the real estate industry, as well as retain the existing ones.

Project Name: Car Wash Management Studio (Multi-tenant)

Organization: TechnoWash, Bahawalpur

Project Description: A centralized RFID-based car detective system with business intelligence for TechnoWash BWP.

Process Model: Prototyping Software Process Model

Description: Developed and launched Car Wash Management Studio for TechnoWash BWP, an RFID-based car wash management system involving Business Intelligence. Technologies used: Tableau, Python, Yii2, ReactJS, MySQL. Led a team developers and IT assistants, using Trello for project management.

Published a Research Paper in an International Conference, “[APICEE](#)” and a HEC Recognized Journal “[Pakistan Journal of Science](#)”.

- Developed a Python-based tool that scrapes data from looking glass servers using Selenium automation tool
 - Extracted data on autonomous numbers and helped the community to learn a new way to access updated information on autonomous numbers
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Thank you for considering my application. I am excited about the opportunity to contribute my skills and experience to a new project or team. Please do not hesitate to contact me if you have any questions or would like to schedule an interview. To sum up, I’m very eager to make this organization, and its officials, proud of me.

Sincerely,

[Rana Faraz](#),

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