M. Shahir Rahman, Software Engineer Dhaka, Bangladesh

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Summary

Passionate Software Engineer with a solid foundation in front-end and back-end development and specialize in developing responsive web applications. My expertise includes proficiency in various frameworks such as Laravel, ReactJS, MERN Stack. Skilled in conceptualizing, developing, and deploying software containing logical solutions to business requirement. Dedicated to staying updated with the latest web development trends and techniques, ensure to deliver high-quality and cutting-edge solutions.

Objective:

To work as a young enthusiastic Software Engineer, utilize my skills in web development to create innovative solutions that meet business requirements and add value to organizational growth with functional excellence.

Experience:

Programmer, IT Division
Biman Bangladesh Airlines Limited. (www.biman-airlines.com)
Jan 2021 – Present (2 years 7 months)

- Designing, coding, testing, debugging, and documenting software programs that meet the specific needs and requirements.
- Identifying areas for improvement and implementing enhancements to existing software systems to optimize performance, usability, and scalability.
- Working closely with business analysts, project managers, programmers, DBA's and other stakeholders to gather requirements, understand business processes, and translate them into efficient software solutions
- Actively participate in sprint planning and execution and also assist/mentor/train other team members whenever required.

Intern, Solution Art Limited (www.solutionart.net)
Nov, 2018 – Apr, 2019 (6 months)

- Learnt the core concepts, architecture, and MVC (Model-View-Controller) pattern of Laravel framework. Project setup, environment configuration, and routing were also included.
- Implemented the integration with databases using Laravel's ORM (Object-Relational Mapping), developed proficiency in creating database models, establishing model relationships, and performing CRUD (Create, Read, Update, Delete) operations.

Additional Experience for CARRO:

- I am an also automotive enthusiast with in-depth knowledge of car engines, engine CC, performance metrics, and fuel efficiency (mileage measured in km/l) and other relevant features.

Professional Projects:

1. **Official Ticketing website of Biman Bangladesh Airlines Limited**
   Link: **https://www.biman-airlines.com**.
   a. Developed Biman Bangladesh Airlines' commercial website using Laravel 8, MySQL, JavaScript, Bootstrap HTML, CSS with collaboration in a team.
   b. Jointly worked with SABRE (Int. Travel Tech Company) to integrate Biman's ticket booking engine DXCI (Digital Experience) into the official website using deep-link parameters for enabling ticket purchase, ancillary, online check-in, booking management, flight schedule, flight status and other comprehensive features.
2. **Biman Loyalty Management System**
   Link**: https://www.biman-airlines.com/login**
   Biman's Loyalty Management System enables its loyalty members to access and manage loyalty information, including Loyalty ID, current tier miles, add & claim mileage etc.
   a. Developed the web application using Laravel 8, MySQL, JavaScript and REST Api.

b. Implemented the login, register, mileage claim functionalities using REST Api's provided by Capillary Technologies (Int. Loyalty Soln. Provider) and SABRE.
c. Implemented Single Sign-On (SSO) functionality using SOAP Api, ensuring a seamless and secure authentication process for loyalty members between BIMAN's primary web portal and SABRE ticket booking platform.

3. **Human Resource Management Software**
Biman's HRMS software facilitates efficient management of employee records, transfer and promotion, training, and performance evaluations.
a. Developed the web application using Laravel 8, JavaScript and designed the office organogram in PostgreSQL database.
b. Migrated the existing data from Oracle 10g to PostgreSQL and re-designed every table with additional constraints to maintain integrity.
c. Used Laravel Foritfy for authentication, Spatie for role and permission management, Mpdf for reporting with QR code, Yajra Datatable for server side data rendering and Smart-HR adminHTML template for front-end design.

4. **Support Desk:**
Support Desk is a MERN Stack web application where users can easily create tickets to report their issues and add relevant notes. Admin can promptly address and resolve issues, ultimately closing tickets upon successful resolution.
a. Used ReactJS, Redux Toolkit in frontend and NodeJS and MongoDB as backed.
b. Implemented JWT authentication for login and registration, private and public route function, access control features and created REST Api's for frontend to backend communication for ticket and notes creation, update, assign, completion tags and other functionalities.

General Project:

5. **Github Profile Finder:**
GitHub Profile Finder is a ReactJS web application that allows users to search for individuals Github profile. By clicking on a profile, users can view the person's current repositories, total commits, and assess their skills for potential hiring decisions.
a. By using React.js as front end and with the vast data resources available through GitHub APIs, I created this dynamic application for searching and exploring GitHub profiles.

Education

- **Bachelor of Science - Computer Science & Engineering -** CGPA 3.44 out of 4
  Military Institute of Science and Technology (MIST) (2015-2019).
- **Higher Secondary School Certificate in Science -** GPA 5.00 out of 5.00
  Dhaka City College (2012-2014)
- **Secondary School Certificate in Science -** GPA 5.00 out of 5.00
  Monipur High School (2012-2014)

Technical Skills:

Programming Languages	PHP, JavaScript, Java, Python, C, C++, Assembly language
Web Technologies	React, Redux Toolkit, Node.js, Laravel, HTML, CSS, Bootstrap.
Database	Oracle, MySQL, PostgreSQL, MongoDB.
Methodology	Enterprise Software Architecture, Agile Methodology, SDLC Waterfall Model, Scrum, OOPs, MVC Archi RDBMS, UML Data Modeling, Automation
DevOps	Apache, Git, Bitbucket, cPanel, Firebase
Other	VMware, Microsoft Office.

Key Proficiencies: Team work Empathy * Complex problem solving * Critical thinking * Creativity * People management * Coordination * Decision-making * Negotiation * Cognitive flexibility.

Signature: _Shahir_