S Zahangir Alam

Senior Programmer & Team Lead, IICT-BUET

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Youtube: https://www.youtube.com/c/ZahangirAlam

EDUCATIONAL BACKGROUND	
	• Degree: Post Graduate Diploma (PG.Dip.) in Information and Communication Technology (ICT)
	- University: Bangladesh University of Engineering and Technology (BUET)
	- Result: Running
	• Degree：B.Sc.（Hons.）in Computer Science and Engineering (CSE).
	- University：National University, Gazipur.
	- Institution：Tejgaon College, Dhaka.
	- Result：CGPA：2.86 out of 4.00
	- Year of Completion: July, 2017
	• Degree：Higher Secondary Certificate (HSC).
	- College：Cox's Bazar Government College.
	- Result：GPA：3.90 out of 5.00
	- Year of Completion: July, 2010
	• Degree：Secondary School Certificate (SSC).
	- College：B.M. Char High School.
	- Result：GPA：4.75 out of 5.00
	Year of Completion: July, 2008

TECHNICAL SKILLS

- **Programming Language：** Java（expert）, C/C++ （proficient）, Kotlin（proficient）, PHP（proficient）, Grails and Groovy (proficient).
- **Scripting Language：** HTML, CSS, JavaScript & JQuery（expert）, Report with pdfmake (proficient), Node.js (proficient), React.js (proficient), Angular (expert).
- **Database：** Oracle 11g（proficient）, MySQL, NoSQL (Mongo DB).
- **Database Language：** PL/SQL （proficient), SQL Script.
- **Framework/Library** （expert）：Spring (MVC, Boot, Security, JPA, Cloud), Swing, AWT, JDBC, RESTful web service, SOAP integration, JSP & Servlet, JSF, Hibernate, JPA, Struts, Primefaces, JUnit etc.
- **Report Creation：** JasperReports.
- **Mobile Apps Development**：Android, Flutter.
- **IDE：** IntelliJ IDEA, Eclipse, Android Studio, iReport-Designer, Spring Tool Suite, VS Code, Visual Studio etc.
- **Server：** Apache Tomcat, GlassFish Server.

	- **OS**: Linux, Windows, Mac.
	- **VCS**: Github, Gitlab, Bitbucket, JIRA.
	- **Others**: Maven, Gradle, Docker, Selenium, Cucumber, JMeter, CI/CD, Kubernetes etc.
TRAINING	- Completed Android Apps Development from BITM under SEIP project.
	- **Online Hotel Booking and Resource Management System**.
MAJOR ACADEMIC SOFTWARE PROJECT	Technologies: Java EE, Spring, JSF including Primefaces, Mail API, Hibernate, MySQL etc.

Features: Every guest can get booking conformation and process details using this system. We used paypal integration for trusted payment support. Every customer will get the booking conformation details in their own mail automatically with this system. This system can control the Hotel employee management with session control also.

Project Member: **Sadia Islam**

- **Tour Mate (Android Apps)**

Technologies: Java, Google firebase, Retrofit 2, REST services, Google Play Services, Shared Preference, MySQLi database with cloud service etc.

Features: Every user can add their events after successful registration. User can use this apps with or without internet. Every user can see weather update with this apps. They can also take memorable picture with this apps. They can see Geo-fencing area, nearby places, place direction and current location with it. Every user can add their friends to friend list, they can calculate their all expenses with this apps.

Project Member: **Mahmudullah, Sharun Akter Khushbu.**

LINK	- Github: https://github.com/zahangir0cse
	- Bitbucket: https://bitbucket.org/zahangir_cse/ (for private project)
	- Gitlab: https://gitlab.com/zahangir0cse （for private project）
	- Youtube Channel: https://www.youtube.com/c/ZahangirAlam (Java, Spring Boot & Kotlin Tutorial in Bangla Language)
EXPERIENCE	**- Software Engineer at TekSoi Software Ltd. From January 1, 2017 to May 31, 2018 (Remote).**

- Key Responsibilities:
  - Create back-end REST API with Spring Boot, JPA, MySQL & Oracle.
- Projects:
  - Online Electricity Bill Payment System.
    - Create Backend API with Spring Boot, JPA, MySQL.
    - URL: http://cbpp.teletalk.com.bd
  - Online Assessment System.
    - Create Backend API with Spring Boot, JPA, MySQL.
    - URL: http://rwosc.co.uk
  - Point of Sale (POS).

- Create Backend API with Spring Boot, Spring AOP, JPA, MySQL.
- Public Information Management System.
  - Create Backend API showing data in Frontend with Spring Boot, Hibernate, Oracle, JSP, JQuery.
  - Implementing General Provident Fund Feature, Kallan Feature, Disciplinary action feature for Ministry of Public Administration.
  - URL: http://npmis.mopa.gov.bd/kallan/login
  - URL 2: http://npmis.mopa.gov.bd/login
- Web Crawler System
  - Create Backend API with Spring Boot, Spring Data JPA, Hibernate and Apache Derby Database.
- MOPA Apps for Ministry of Public Administration.
  - Developing apps and working with apps live issues.

- **Software Engineer at Boncheck GmBh in Germany from June 14, 2017 to June 1, 2018 (Remote & Part-time).**
  - Key Responsibilities:
    - Pulling JSON data using HTTP URL connection from statista.com with secret API key.
    - Push those JSON data to database using Hibernate.
    - Show those data to web-interfaces using Java EE, JSF and Primefaces.
    - Perform REST methods to push those data into wordpress.
    - Working with boncheck research and global database.
    - Integrating Bitcoin with Blockchain API.
    - Giving security to all web-interfaces.
    - Using JIRA documentation and bitbucket.

- **Software Engineer at Pacific Soft tech from May 7, 2018 to August 1, 2018. (Remote)**
  - Key Responsibilities:
    - Understanding client requirements
    - Managing live deployment in Cloud (DigitalOcean)
    - Developing Web Application using Spring Boot, Spring Security, JPA, MySQL, Thymeleaf.
    - Maintaining Version Control.

- **Mid Label Software Engineer at Bit Mascot Pvt. Ltd. From July 1, 2018 to December 12, 2018.**
  - Key Responsibilities:
    - Developing Web-Commander CMS (E-Commerce Application) with Grails.
    - Integrating Dynamic Database per Tenant Multi-Tenancy.
    - Integrating login reCAPTCHA v2 to customer login.
    - Integrating different payment gateway and plugins to core CMS.
    - URL: https://my.webcommander.com/

- **Assistant Programmer at IICT-BUET (BRTC Project) from December 17, 2018 to December 17, 2019.**
  - Key Responsibilities:
    - Developing BRTC ERP projects.
    - Create API with spring boot, JPA for banking
  - Projects:
    - ERP for Karnaphuli Gas Distribution Company Ltd.
    - ERP for Bakhrabad Gas Distribution Company Ltd.

- ERP for Sundarban Gas Company Ltd.
- DPE system for Government Primary Teachers Job.
    - Create DPE interface using Spring Boot, Spring Security, Spring AOP, Reflection API, JPA, Thymeleaf, Oracle, JQuery.

- **Senior Software Engineer at Pacific Soft tech from July 1, 2020 to December 1, 2020 (Remote & Part-time)**
    - Key Responsibilities:
      - Implement online export & import system with Spring boot, JPA, JWT and Jquery.
      - Maintenance of Print-tex POS project.
      - Integrating new reports with jasper as per client requirements.
      - Maintaining Git and live deployment.
      - URL: http://206.189.133.35:8080/ .
      - URL: http://206.189.133.35:8090/ .

- **Programmer at IICT-BUET (BRTC Project) from December 17, 2019 to December 31, 2021.**
    - Key Responsibilities:
        - Developing BRTC and govt. ERP projects.
        - Developing API with spring boot, JPA for Gas bill collection with bank.
        - Developing Customer Portal backend Spring boot.
        - Implement SOAP API of DBBL payment Gateway for customer gas bill payment by portal.
        - System design and implement innovative ideas for Gas ERP.
        - Provide software training/workshop to clients.
        - Developing meter reading collection apps backend API with spring boot.
        - Maintaining Git and live deployment cycle for KGDCL & BGDCL ERP, Bill Collection API, Notification Sender API, Customer Portal, Prepaid Data importer from external systems, ERP Gas Bill Generator etc.
        - Developing Directorate General of Food Recruitment System with spring boot and maintaining deployment life cycle.
        - URL: https://billing.kgdcl.gov.bd (Customer Portal)

- **Senior Software Engineer at Intelligent Tourist Aid – ITA from April 23, 2021 (Remote & Part-time).**
    - Key Responsibilities:
        - Lead the Team, Manage Project
        - Requirement analysis, Develop application architecture
        - Backend APIs with Spring boot, Spring Security, JPA, MySQL
        - Frontend with Angular 10.
        - Managing deployment at cloud (Linode).
        - Manage the version control.

- **Senior Programmer & Team Lead at IICT-BUET (BRTC Project) from January 1, 2022.**
    - Key Responsibilities:
        - Lead the team & client by business requirement, functional requirements
        - Manage Client requirement
        - BRTC and govt. ERP projects
        - APIs & backend Spring boot, JPA, Oracle
        - Implement SOAP API, payment Gateway
        - System design and implement innovative ideas
        - Provide software training/workshop to clients
        - Manage the version control & deployment.

REFERENCE

- **Md. Aashikur Rahaman Azim**
  - Assistant Professor
  - Department of Computer Science & Engineering
  - Bangladesh University of Engineering Technology（BUET）
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  - Email： aashikazim@gmail.com , aashik_azim@cse.buet.ac.bd

- **Prof. Dr. Md. Liakot Ali**
  - Professor
  - IICT-BUET.
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