

# ZAHID AHMED

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## Skills

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**Programming:** Java, Spring boot, Dotnet Core, AngularJS, ReactJS, Jquery, Ionic Framework

**Cloud:** AWS S3, EC2, AWS EKS, AWS SES, AWS ECR, AWS RDS for PostgreSQL, Aws Elastic Cache (Redis OSS)

**DevOps:** Kubernetes(K8s), OpenTelemetry, ELk Stack, Gitlab CI-CD, Jenkins CI-CD

**Databases:** PostgreSQL, MS Sql Server, MySql

**Others:** Elasticsearch, Meilisearch, Redis, Apache Kafka, Jasper Report, API Gateway, Java Performance Optimization, Locust.io, Jmeter

## Experience(10+ yrs)

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**Senior Software Architect**, Technonext Ltd, Dhaka

Mar 1, 2023 - Present

- Designed solution architecture of an Online Travel Agency System (OTA).
- Led a team of 15 developers to develop modules of the (OTA).
- Refactored an e-commerce platform, resulting in a **70%** average latency improvement.
- Runtime profiling helped to achieve a **65%** reduction in errors.
- Mentored the development team to tackle the optimization issues proactively.
- Reduced **4x** memory consumption of an online newspaper in production.
- Designed solution architecture of a Passenger Service System (PSS) for airlines.

Tech. Stack: Spring boot, AWS ,API Gateway, Apache Kafka, Redis, PostgreSQL.

**Software Engineer**, ProIT, Vilnius, Lithuania

Jan 4, 2021 - Dec 31, 2021

- Modernized the server rendered UI 's for ERP project which increases the user friendliness by **80%**.
- Upgraded the backbone framework which is built in-house and customized 3 modules.

Tech. Stack: Java EE, JBoss EAP 7, Vaadin, PostgreSQL, Gitlab.

**Senior Analyst Programmer**, Southtech Group, Dhaka

Jul 30, 2016 - Jan 2, 2021

- Led a team of 8 for the development and maintenance support such as bug fixing, new requirement implementation, and enhancement of existing features of an ERP.
- Developed several modules, reviewed code, monitored application performance at production, helped to solve production bugs, and deployed most of the releases to production during my tenure.

Tech. Stack: Java Spring Framework, Hibernate, MSSQL.

**Team Lead**, Southtech Bhutan Private Limited, Thimphu

Mar 25, 2016 - Jul 29, 2016

- Led a team of 10 for a cross-platform mobile apps development project for the Bhutan government known as G2C. Requirement finalization, feasibility study, client communication, and software development were parts of that role.

Tech. Stack: Java Spring Framework, Hibernate, Dropwizard REST, Ionic Framework, MSSQL, MySQL, PostgreSQL.

**Programmer**, Southtech Limited, Dhaka

Nov 16, 2014 - Mar 24, 2016

- Developed reports for the Internet Banking solution, fixed bugs in Core Banking Solution, implemented new features for ATM Solution, and customized existing Mobile Banking android application of Southtech.

Tech. Stack: Asp.Net, Asp.net Web API2, WCF, VB.NET, MSSQL.

## Projects

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### Online Travel Agency (OTA)

This is a microservice architecture based project which consists of Flight, Hotel, Holidays, Visa and Umrah services.

- Played the key role during architecture design , development and production deployment.

### ERP of Civil Aviation Authority of Bangladesh

This ERP consists of 24 modules. Such as Embarkation, Cargo Scanning, Landing & Takeoff, and overflying billing, Accounting, and Payroll.

- Several modules were developed under my supervision.
- Maintained development, application performance monitoring , tuning and the production deployment of this project.

#### **Government to Citizen (G2C) Project of Bhutan**

The primary focus of this project is to establish inter-connectivity among 14 government agencies of Bhutan and to deliver smooth digital services to the masses.

- To accomplish the goal, it is required to develop several cross-platform mobile apps with backend APIs and service management web portals.
- Led a team of 8 developers to accomplish this.

#### **PKSF Reporting Project**

Palli Karma Sahayak Foundation or PKSF is a financial institution founded by the Government of Bangladesh to finance rural development.

- I developed a complete web application with Microsoft RDLC reporting within a very short time.

#### **Publications**

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- Image processing based Feature extraction of Bangladeshi banknotes  
(<https://ieeexplore.ieee.org/abstract/document/7083521/>)
- Helping Hand: An efficient donation procedure based on mobile banking  
(<https://ieeexplore.ieee.org/abstract/document/6919089/>)

#### **Education**

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University of Information Technology & Sciences, Dhaka - B.Sc in Information Technology

November 2014

- CGPA **3.94/4**
- Major in Software Engineering.