

# MOHAMMAD HIZBULLAH FUAD

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## JAVA DEVELOPER

Talented Developer with 9 years of professional experience leading development teams in designing, testing, maintaining, and delivery of comprehensive software solutions. History of full-stack implementation and integration of front-end interfaces, back-end components, and databases, written with robust, reusable code. Skilled in using technologies such as Java, Spring, Spring Boot, Microservices, Hibernate, JavaScript, Typescript, Angular, React, MS SQL, MySQL, and MongoDB.

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Software Development Life Cycle • Backend / Frontend • Microservices • Code Reviews  
Team Leadership • Testing • Debugging • Databases

**Languages:** Java, Java 8, Java 11

**Web:** HTML5, CSS3, Bootstrap, JavaScript, jQuery, TypeScript

**Web Services:** REST

**Web and Application Servers:** Apache Tomcat, JBoss

**Frameworks:** Spring, Spring Boot, Angular, React, Hibernate, Mockito

**Databases:** Microsoft SQL, MySQL, PostgreSQL, MongoDB

**Design Patterns:** Singleton, Factory, Strategy, Observer, Builder, Adapter, State, MVC, etc.

**SDLC:** Agile / Scrum, Waterfall, TDD

**Tools:** Git, Maven, IntelliJ IDEA, MySQL Workbench, Visual Studio Code, NPM, UML, Postman, Docker, Jenkins, ActiveMQ, Kafka, Jira, JUnit, Swagger

**Platforms:** Mac, Linux, Windows

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## PROFESSIONAL EXPERIENCE

**CAREER NOTE:** Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment).

### KAZ SOFTWARE LTD., Dhaka, Bangladesh • Jun 2013 – Mar 2022

Leading IT outsourcing company providing custom application development for US-based and global clients.

#### Senior Software Engineer (Oct 2018 – Mar 2022)

Managed software engineering team by following agile methodologies while delivering software solutions according to client requirements.

- Assisted in architecting, developing, analyzing, and deploying business-critical applications
- Increased application performance by migrating monolith to Microservice-based solution.
- Developed projects using React.js, Angular with Typescript and JavaScript.
- Delivered new and complex solutions to clients in response to varying business requirements.
- Performed testing, debugging, and code reviews to maximize code quality in production.
- Designed database systems and wrote optimized queries.

**Technologies Used:** Java, Spring, Spring Boot, Microservices, Kafka, Hibernate, React, Angular, Go, TypeScript, RxJS, JavaScript, MSSQL, MySQL, XML, Docker, Git, PrimeNG.

#### Software Engineer (Oct 2016 – Sep 2018)

Played key role in numerous projects by engaging in all stages of the development cycle.

- Enhanced existing & developed new applications based on client feedback.
- Implemented code reviews of other developers to maximize code quality.
- Performed testing and debugging.
- Designed backend and frontend systems.
- Trained and mentored Junior Developers.

**Technologies Used:** Java, Spring, Spring Boot, Microservices, React, Angular, TypeScript, RxJS, JavaScript, MSSQL, MySQL, XML, Docker, Git, Hibernate, JBoss.

## KAZ SOFTWARE LTD (continued)

### Associate Software Engineer (Jun 2013 – Sep 2016)

Analyzed, implemented, and deployed successful software projects.

- Designed database system for applications.
- Improved application performance 20% by optimizing existing database queries.
- Implemented Bootstrap and jQuery for frontend design.
- Developed Java-based driver applications to convert XML files to Word file.

**Technologies Used:** MSSQL, MySQL, Java, JAX-RS, jQuery, Bootstrap, XML, XSLT, GWT, Git.

## ACADEMIC PROJECTS

**Library Management System, MIU (2022):** Created desktop-based Java application with functionality for 2 types of users: librarian and admin. Generated monthly report for overdue books. **Technologies Used:** Java, Java Swing, Java File System for Data Storage.

**Property Management Portal, MIU (2022):** Created web-based Java project for home owners and customers to exchange information. Designed user-friendly interface to meet customer needs. **Technologies Used:** Spring Boot, Spring Data, Spring Security, PostgreSQL, Hibernate, Git, Maven, Docker, React.

**Job Portal Management, MIU (2022):** Built Spring Boot project with REST API to manage job applications. Stored data with MySQL database. **Technologies Used:** Spring Boot, Spring Data, Hibernate, MySQL, Git, Maven.

**Spark Project, MIU (2022):** Built Spark project to expand knowledge of Spark API with goal to practice data analysis on large data sets. **Technologies Used:** Spark API, Scala.

**Hadoop Project, MIU (2022):** Created single node cluster prepared to run and test programs with goal to practice and expand knowledge of MapReduce. Built programs for word count, word count using in-mapper, average computation using in-mapper, pairs and stripe algorithm to compute relative frequencies, and empirical comparison. **Technologies Used:** Hadoop, Java.

## PERSONAL PROJECTS

**Tour Package (2021):** Created React application for users to reserve tours on specific days and register using email. **Technologies Used:** React, JavaScript, Node.js, MongoDB, Firebase, and Express.

**Doctor's Appointment (2021):** Designed React application for users to register and make appointments. **Technologies Used:** React, JavaScript, Node.js, MongoDB, and Firebase.

## EDUCATION

### Master of Science in Computer Science

*(In progress via distance education; expected completion December 2024)*

Maharishi International University, Fairfield, Iowa

**Key Courses:** Algorithm, Web Application Programming, Enterprise Architecture, Big Data, Web Application Architecture, Modern Programming Practices, Fundamental Programming Practices

### Master of Science in Computer Science

Jahangirnagar University, Dhaka, Bangladesh

### Bachelor of Science in Physics

Jahangirnagar University, Dhaka, Bangladesh