

# UTHOWAIPRU CHOWDHURY BAICHING

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## Objective:

Master's student in High Integrity Systems with strong skills in full-stack development, Java and TypeScript. Experienced in building scalable web applications, REST APIs and data-driven solutions. Eager to contribute to Uncountable's mission of revolutionizing industrial research by developing intuitive, efficient and user-friendly software platforms.

## Technical Skills

**Languages:** Java, Python, TypeScript, SQL, C++ (basic)  
**Frontend:** Angular, basic React  
**Backend:** Spring Boot, REST APIs  
**Tools:** Git, GitHub, Maven, Shell Scripting  
**Database:** PostgreSQL, MySQL, SQLite  
**Testing:** JUnit5, Mockito, logging/debugging  
**Languages:** Deutsch (A2), English (fluent)

## Experience

### Internship

Jan 2018 – April 2018

American International University - Bangladesh

Dhaka, Bangladesh

- Collaborated in an agile team to implement Outcome-Based Education (OBE) systems.
- Streamlined documentation processes and maintained OBE records, improving team efficiency by 20%.

### Academic Research Project - A Digital Twin of Nibelungenplatz

Apr 2024 – Jul 2024

Frankfurt University of Applied Sciences

Frankfurt, Germany

- Processed and visualized large-scale traffic simulation data
- Improved simulation performance, ensuring continuous vehicle movement.

## Projects

### Chat Application

Java, Java Swing, Sockets, GitHub, Git

- Developed a multi-client chat server in Java, utilizing networking capabilities to handle simultaneous connections.
- Implemented a threaded architecture where each client connection runs in its own thread, ensuring efficient message handling and broadcasting to all connected clients.
- Designed and built both console-based and graphical user interface (GUI) clients for seamless user interaction.
- Project URL: <https://github.com/baiching/chatApp>

### Login and Registration with Angular and Spring

Angular, Spring boot API

- Developed an application that can perform login and registration
- Wrote test cases for the application.
- Project URL: [github.com/baiching/angular-login-registration](https://github.com/baiching/angular-login-registration)

### FileSearch

Java, JavaFx, Apache Lucene, SceneBuilder, Sqlite, GitHub

- Scans the whole system
- Search files throughout the whole system
- Currently aimed for windows OS
- Project URL: [github.com/baiching/FileSearch](https://github.com/baiching/FileSearch)

## Education

### Frankfurt University of Applied Sciences

60 ECTS remaining

Master in High Integrity Systems

Frankfurt am Main, Germany

### American International University - Bangladesh

Jan. 2015 – Dec 2018

Bachelor of Science in Software Engineering

Dhaka, Bangladesh