

# Asha Software Engineer

 rathoreasha75@gmail.com

 +4915560724768

 Ilmenau, Germany | Willing to relocate | Open to hybrid / remote

 linkedin.com/in/asha-rathore-823819202

 github.com/Asha-Rathore



## Profile

Software Engineer with 2+ years of professional experience developing production-ready applications across backend, web, and mobile platforms. Strong foundation in Java, Spring Boot, REST APIs, and .NET (Blazor), combined with solid knowledge of OOP, data structures, and clean architecture. Currently pursuing a Master's degree in Germany and preparing for backend and software engineering roles in large-scale systems. Actively expanding skills in Applied AI, focusing on integrating AI capabilities into real-world applications.

## Skills

**Programming Languages:** Java, C#, Dart, Python, JavaScript, TypeScript, SQL

**Backend & Systems:** Spring Boot, REST APIs, JWT Authentication, Entity Framework, Node.js, Firebase

**Frontend & Web:** ASP.NET Core (Blazor), React.js, Angular, HTML, CSS

**Mobile Development:** Flutter, React Native, Kotlin

**Testing & QA:** Unit Testing, Test-Driven Development, Debugging, Performance Optimization

**Core Computer Science:** Object-Oriented Programming (OOP), Data Structures & Algorithms, DBMS, Clean Architecture, SOLID Principles

**Applied AI & Data (Learning / Hands-on):** Python, AI APIs (LLMs), Prompt Engineering, AI Integration in Applications, Basic Machine Learning Concepts (Supervised & Unsupervised), Data Preprocessing

**Tools & Collaboration:** Git, Postman, IntelliJ IDEA, VS Code, Android Studio, Jira, Figma, Adobe, Agile / Scrum

## Professional Experience

### Working Student – Software Development

02.2025 – 12.2025 | Jena, Germany

Analytik Jena

- Familiarized with the company's device portfolio and liquid-handling products.
- Worked with the Analytik Jena Design System and UI Component Library in Figma.
- Participated in concept development for a web-based tool to generate license keys from device serial numbers.
- Designed and implemented a production-grade web application using .NET (Blazor) to automate license data creation.
- Developed, tested, documented, and successfully deployed the application to production, improving internal workflows.

### Software Engineer

05.2022 – 08.2024 | Karachi, Pakistan

Binate Digital

- Developed and maintained cross-platform mobile applications for iOS and Android using Flutter / Dart.
- Integrated complex REST APIs, optimized data handling, and improved application performance and responsiveness.
- Refactored existing codebases to enhance stability, reduce crashes, and improve maintainability.
- Collaborated closely with QA, backend, and product teams in an agile environment to deliver user-focused, high-quality releases.

## Education

### Master in Research in Computer Systems and Engineering

10.2024 – Present | Ilmenau, Germany

Technische Universität Ilmenau

### Bachelors of Science in Computer Science

01.2018 – 09.2022 | Karachi, Pakistan

Karachi Institute of Economics and Technology

## Projects

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### **License Generating Tool (Web Application)**

- Built a web application to retrieve product license details via serial numbers and generate interactive PDF licenses.
- Automated manual license lookup processes, significantly improving internal efficiency.

### **Fare Share – Travel Expense Split App**

- Developed a mobile application for real-time expense sharing during group travel.
- Implemented dynamic fare distribution and live tracking features.

### **Locks – Sports Information App**

- Created a sports application providing real-time game updates, team rosters, and player profiles.

### **Baby Bonding – Location-Based Mobile App**

- Developed a mobile app integrating Google Maps APIs to locate nearby baby-changing stations using GPS.
- Focused on usability and accurate location-based services.

### **Rent Folkz – Rental Platform**

- Built a rental platform allowing users to list and rent items via QR code-based identification.
- Implemented secure payment integration and rental period management.

### **Customer Service Provider App**

- Developed a multilingual customer service application enabling language-based call routing.
- Allowed companies to configure multiple languages with dedicated contact numbers.

## Certificates

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Development Trainee – Binate Digital (Flutter)

UI/UX Certificate – 10Pearls

Flutter Fundamentals – 10Pearls University

## Languages

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**English:** IELTS: 7 Bands | **German:** A2 (B1 in progress)

## Interests

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Learning new technologies | Painting | Listening to music | Travelling