



Usama Niaz

Software Developer

☎ (+92) 3061273751 ✉ niazusama779@gmail.com  [usama-niaz](https://www.linkedin.com/in/usama-niaz)  [niazusama](https://github.com/niazusama)

Professional Profile

"A Software Developer and Tech Enthusiastic with technical proficiency in providing **novel ideas, product development**, and achieving **flexible solutions** to difficult and diverse problems."

With my passion for and commitment to emerging technologies, I have gained practical exposure to developing and maintaining mobile applications. I am proficient in, application development using **Flutter, Bloc/Cubit, Hive**, and **Beamer routing**. Eager to delve deeper into Web and Mobile application development, I bring a "**nothing is impossible**" spirit, a committed work ethic, and a passion for driving innovation.

Skills

- Dart
- Hive database
- RESTful and GraphQL API
- Node.js and Express.js
- Flutter
- Beamer routing
- Clean Architecture
- JavaScript and TypeScript
- Bloc and Cubit
- API integration
- Git Version Control
- Python

Experience

06 Nov 2023 – Present

Software Developer

AlphaBold, Pakistan

- Implemented app navigation in the BOLDHR web application with the **Beamer** package. Utilized **Beam Guards, Nested Beamer**, and **deep links** for improved UI/UX.
- Implemented **Bloc/Cubit** for state management, **Hive** for local data storage, and **Pagination** for the BOLDAgimble mobile application.
- Collaborated with senior developers to design and develop **RESTful APIs** for BOLDHR using Node.js, Express.js, and MongoDB Atlas.
- Thoroughly test mobile and web applications, collaborating with QA to comprehend **bug reports** and **resolve defects** to improve application performance.
- Conducting meetings with **stakeholders** for requirement elicitation for **improved solution design**.
- Engaged in **code review** activities, suggesting improvements to enhance functionality and User experience.

07 March 2022 – 01 Nov 2023

Assistant Manager

Public R&D Organization, Pakistan

- **Reduced 20%** of the modeling time by writing Python Scripts that autonomously model the joints and bolts in the Finite Element Model.
- Resolving a challenging issue through the **automation** of aerodynamic mesh generation, resulting in a significant **90% reduction** in task duration.
- Enhanced the **efficiency by up to 60%** by creating a Python program that reads the Flutter & Gust Analysis data and generates a LaTeX report.

Projects

</> BOLDAgimble

Implemented Bloc/Cubit state management, Hive storage, and pagination for the BOLDAgimble mobile application for a better user experience.

</> BOLDHR

Enhanced user experience in a Flutter Web Application by implementing efficient app navigation using the Beamer package. Employed Beam Guards, Nested Beamer, and deep links to optimize UX design. Design and developed RESTful APIs using Node.js, Express.js, and MongoDB Atlas.

</> CRM integration: Power Automate Solution

Developed a Power Automate solution to seamlessly integrate Events Air GraphQL API data into the Dataverse table linked to CRM. Overcame challenges of complex logic, dynamic field mapping, and fault tolerance, ensuring reliable data synchronization.

</> BoldParser: Data Extraction & Integration

Developed automation solution integrating custom ML models, Azure services, Python, & Power Automate for seamless data extraction and integration into NetSuite.

Education

01 Sep 2016 – 03 Sep 2020

CGPA 3.45/4.00

BSc Aerospace Engineering

Institute of Space Technology, Pakistan

Courses and Certificates

- **Machine Learning Specialization**, *Online Certificate Coursera* [View](#)
- **Microsoft Learn AI Skills Challenge**
- **Supervised Machine Learning: Regression and Classification**, *Online Certificate Coursera* [View](#)
- **Mathematics for Machine Learning: Multivariate Calculus**, *Online Certificate Coursera* [View](#)
- **Mathematics for Machine Learning: Linear Algebra**, *Online Certificate Coursera* [View](#)
- **Scientific Computing with Python**, *Online Certificate freeCodeCamp* [View](#)
- **AI For Everyone**, *Online Certificate Coursera* [View](#)