

Muhammad Ashar

+92-3312079579 | asheressani@gmail.com | as3hr.dev | linkedin.com/in/asharr | github.com/as3hr

EXPERIENCE

Flutter-Node.js Developer

Jan 2023 – October 2024

Emergen

Karachi, Pakistan

- Contributed to the design and development of cross-platform mobile applications with Flutter, reducing development time by **30%** through efficient architectural patterns and reusable components.
- Engineered end-to-end solutions by leveraging **Node.js, Flutter, MongoDB, and PostgreSQL**, ensuring seamless data flow and robust backend integration for improved system reliability.
- Enhanced code maintainability by following **SOLID principles**, resulting in a **40% reduction in bug incidence** and easier scalability for future features.
- Collaborated with cross-functional teams (UI/UX designers, product managers, backend engineers) to deliver new features, boosting app functionality and improving **user engagement**.
- Set up and managed **Docker containers** to streamline development, deployment, and application scalability.
- Led UI design and integration efforts for comprehensive **ERP and POS modules**, improving system usability and reliability, and delivering on-time for the client.
- Streamlined CI/CD pipeline management through **GitHub Actions**, slashing deployment time by **75%** and minimizing errors to enhance development velocity.
- Integrated deep linking within mobile apps, ensuring **95% user accessibility** to critical features even when the app was in an inactive state.
- Developed real-time communication tools (chat applications using Flutter and **Socket programming**), enhancing user-to-admin communication and reducing response times by **50%**.
- Implemented real-time location tracking using **Google Maps**, optimizing delivery routes and improving **delivery efficiency**.
- Upgraded chatbot performance by integrating **real-time audio and text streaming**, reducing response times and increasing user interaction.

TECHNICAL SKILLS

Languages: Dart, TypeScript, SQL

Frameworks: Flutter, Express.js, Django

State Management (Flutter): BLoC Pattern, Cubit, Provider, GetX

Architectural Patterns and Design Principles: OOP, MVC, MVVM, SOLID, DRY, KISS

Database Management: MongoDB, PostgreSQL, Firebase

Cloud and DevOps: Docker, AWS (EC2, S3), Azure (VM), CI/CD

PROJECTS

ALL PROJECTS

Communico [Link]: A full-stack chats system application, using NodeJs for the backend, Gemini for Ai-chat-bot, Sockets for real-time data transfer, and Flutter web for the frontend.

Everli Mobile App [Link]: Developed an immersive mobile app for exploring historical events, stories, and significant moments, catering to history enthusiasts, students, and researchers.

eCommerce App [Link]: An eCommerce platform with a Node.js backend, Flutter mobile client, and MongoDB database for seamless shopping experiences.

EDUCATION

DHA Suffa University

Bachelor in Computer Science

karachi, Pakistan

Sep. 2021 – Present

ACHIEVEMENTS

Ranked **1st** at **Lab Lab AI hackathon** for developing AI-integrated Instagram posts Flutter Application.

Ranked **1st** at **Devathon Summit Karachi** out of **100** developers in the Flutter app development competition.

RunnerUp at **Habib University** Karachi in the Flutter app development competition.