

Anas Bin Azim

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ABOUT ME

A dedicated and results-driven Software Engineer with a strong background in full-stack mobile application development using Flutter and Node.js, and a keen interest in Data Analysis & Cloud Technologies. Demonstrates a solid understanding of modern software development practices, with several certifications completed and others in progress in related domains. Committed to continuous learning, professional growth, and delivering high-quality, scalable solutions that align with organizational goals.

SKILLS

Programming / Computer Security Fundamentals / Data Structures / Algorithms / Flutter / JavaScript / Node / Firebase / API Integration / Database Design / Version Control Systems: Github / WINDOWS / MacOS / MS PowerBI Desktop / Data Analysis / Data Visualization

WORK EXPERIENCE

ZyneVentures – Karachi, Pakistan

Website: <https://zyneventures.com/>

Software Engineer (Node.js and Flutter Developer)

[01/12/2025 – Current]

- Migrated and modernized 2+ legacy PHP (Laravel) backend systems to Node.js, improving API performance, scalability, and maintainability.
- Replaced existing PHP-based APIs with Node.js RESTful services and successfully re-integrated them with Flutter mobile applications, ensuring seamless backend-frontend communication.
- Developed and maintained production-ready Flutter applications, implementing clean architecture and efficient state management for scalable mobile solutions.
- Actively contributed to requirement analysis, API design, and deployment workflows, supporting the end-to-end development lifecycle.

FuturByte Technologies Pvt. Ltd. – Karachi, Pakistan

Website: <https://futura-byte.co/>

Software Engineer (Flutter)

[01/02/2025 – 30/11/2025]

- Developed more than 10 mobile and web applications using Flutter and Dart Programming Language. Worked on connecting apps with RESTful APIs, creating attractive and user-friendly interfaces, and using state management tools like GetX and Provider.
- Published over three fully functional mobile applications on the Apple App Store and Google Play Store. Gained practical experience in all stages of software development, including design, coding, testing, and deployment.

- Built real-time chat and communication features using Firebase and WebSockets to provide smooth and reliable messaging between users.
- Implemented push notifications through Firebase Cloud Messaging (FCM) and Apple Push Notification Service (APNs), and used deep linking to improve user engagement.
- Performed detailed testing, debugging, and performance improvements to make sure the applications run efficiently and without errors.
- Worked closely with other developers and designers to create scalable, easy-to-use applications that meet both user and business needs.

 **Salsoft Technologies Pvt. Ltd.** – Karachi, Pakistan

Flutter Developer

[01/11/2022 – 30/03/2023]

- Developed and launched multiple cross-platform mobile applications using Flutter, targeting both Android and iOS platforms.
- Effectively utilizing Flutter widgets and APIs to construct the app's UI and functionalities.
- Worked closely with designers, UI/UX experts and Backend developers to ensure a cohesive development process.
- Identify and fix bugs during development and after deployment.
- Using Git for version control, collaborating with other developers.

PROJECTS

Regive Hub (Published on Play Store and App Store)

- Regive Hub is a free giving / sharing app that lets people in a community post items they no longer need and let others claim them — all for free.
- There are no listing fees, no payments involved — it's designed to foster free exchange of goods.
- Integrated Firebase Cloud Messaging (FCM) for 100% real-time push notifications, enhancing user engagement with instant message updates and alerts.
- Regive Hub includes both private one-on-one chatting, you can directly message another user who has listed or claimed an item. and community-based group chatting, users can create or join communities, Inside each community, members can chat together in a shared space — a bit like a group chat features.

Tech Stack:

- **Frontend:** Flutter, Dart
- **Backend:** Node.js, Express.js
- **Database:** MongoDB
- **Cloud & Hosting:** AWS (EC2, S3)
- **Realtime & Notifications:** Firebase Cloud Messaging (FCM)
- **Version Control & CI/CD:** GitHub

Link: <https://play.google.com/store/apps/details?id=com.futurbyte.regive.hub>

Purpose Payment (Published on Play Store and App Store)

- Purpose Payment is a mobile application that transforms everyday shopping into meaningful giving. When a user shops at a registered merchant, they can scan a QR code to complete the payment — with the option to add a tip if they wish. A small percentage of each transaction is automatically donated to charity, enabling users to contribute effortlessly while making regular purchases.
- The app also features a reward system, where users earn points for every transaction. These points can be redeemed for products within the app, promoting both customer loyalty and social impact. With its secure architecture and seamless experience, Purpose Payment bridges the gap between digital payments and philanthropy.

Tech Stack:

- **Frontend:** Flutter, Dart
- **Backend:** Node.js, Express.js

- **Database:** MongoDB
- **Cloud & Hosting:** AWS (EC2, S3)
- **Realtime & Notifications:** Firebase Cloud Messaging (FCM)
- **Version Control & CI/CD:** GitHub

Link: <https://play.google.com/store/apps/details?id=com.futurbyte.purpose.payment>

[01/08/2023 – 01/08/2024]

Blockchain integrated Humanitarian Aid Flutter Application (Aidance - FYDP)

- Developed a Blockchain-integrated Flutter application enabling secure, immutable transactions through smart contracts, enhancing transparency and trust in humanitarian efforts for 100+ users.
- Designed and implemented a user-friendly interface using Flutter and Dart, facilitating real-time tracking of donations, transaction histories, and aid distribution updates, improving user engagement by 30%.
- Utilized GetX for efficient state management, ensuring seamless navigation and data synchronization across all user roles.
- Integrated Firebase for secure user authentication and IPFS for database management, enabling 99.9% secure storage for donors, beneficiaries, and aid organizations.

Tech Stack:

- **Frontend:** Flutter, Dart
- **State Management:** GetX
- **Backend:** Node.js, Express.js (for blockchain interaction & API handling)
- **Blockchain:** Ethereum (Smart Contracts using Solidity)
- **Database / Storage:** IPFS
- **Authentication & Notifications:** Firebase
- **Cloud Services:** AWS
- **Version Control:** GitHub

Note: This project was developed as our Final Year Project, which received international funding from Ignite – National Technology Fund, recognizing its innovation and potential impact.

Link: https://github.com/Anasbinazim90/Aidance-FYP/tree/main/Aidance/AidanceFrontend-Flutter/aidance_app

EDUCATION AND TRAINING

Bachelors in Computer Science and Information Technology

NED University Of Engineering & Technology [01/10/2020 – 30/09/2024]

Address: University Road, Karachi, 75270 Karachi (Pakistan) | **Website:** <https://www.neduet.edu.pk/> | **Field(s) of study:** Computer Science & Information Technology | **Final grade:** 3.117 CGPA

CERTIFICATIONS

[Amazon Web Services (AWS)]

AWS Cloud Practitioner (In Progress)

Gaining foundational knowledge of Amazon Web Services (AWS) and its core concepts, including cloud infrastructure, service models, and best practices for secure and efficient cloud solutions.

Skills Acquired:

- Fundamentals of Cloud Computing and AWS Global Infrastructure
- Core AWS Services: Compute, Storage, Networking, and Databases
- Identity and Access Management (IAM) and Security Best Practices
- Billing, Pricing Models, and Cost Optimization
- Cloud Architecture Principles and Shared Responsibility Model

[Google Cloud, 10/10/2025]

Implement Cloud Security Fundamentals on Google Cloud

Successfully completed the Intermediate Implement Cloud Security Fundamentals skill badge on Google Cloud, demonstrating practical skills and knowledge in the following key areas,

Identity and Access Management (IAM)

- Created and assigned custom roles for users and resources.
- Managed permissions using IAM policies and principles of least privilege.
- Configured and managed service accounts for secure application authentication.

Application Access Control

- Restricted application access using Identity-Aware Proxy (IAP) to protect web applications.
- Applied secure access policies for users based on identity and context.

Data Encryption and Key Management

- Managed encryption keys and secrets using Cloud Key Management Service (KMS).
- Implemented secure data storage and access through customer-managed encryption keys.

Kubernetes Security

- Created and configured a private Kubernetes cluster to enhance workload isolation and security.
- Applied best practices for cluster networking and access controls.

Link: https://www.credly.com/badges/50e1c106-a12e-4e84-bec8-d85a0fe89f3f/public_url

[Google Cloud, 10/10/2025]

Build a Data Warehouse with BigQuery

Successfully completed the Build a Data Warehouse with BigQuery skill badge on Google Cloud, demonstrating hands-on skills in designing and managing data warehouses using BigQuery.

Data Integration and Table Management

- Joined multiple datasets to create new analytical tables.
- Troubleshoot and optimized SQL joins for data consistency and performance.
- Appended data using UNION operations to consolidate datasets.

Data Partitioning

- Created date-partitioned tables to improve query performance and reduce storage costs.
- Implemented efficient partitioning strategies for large-scale data processing.

Advanced Data Structures

- Worked with JSON, arrays, and structs in BigQuery for handling semi-structured and nested data.
- Applied advanced SQL techniques to extract, transform, and analyze complex data formats.

Link: https://www.credly.com/badges/2adef3a4-5168-466a-bc3a-0d4f72d488c1/public_url

[Cisco Networking Academy, 16/03/2022]

PCAP: Programming Essentials in Python

This certification validates fundamental knowledge and skills in Python programming, including concepts of computer programming, basic syntax, and data structures.

Skills Acquired:

- Computer Programming,
- Python (Programming Language),
- Data Structures

LANGUAGE SKILLS

Mother tongue(s): Urdu

Other language(s):

English

LISTENING C1 READING C1 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user