

Abu Bakar

Senior Senior Frontend / Full Stack Engineer

SUMMARY

- Senior Software Engineer with 5+ years in frontend and full stack development, specializing in Next.js, Angular, and scalable architectures for Web3 and AI-driven platforms.
- Proven expertise in blockchain integrations, real-time systems, and API design, delivering features like automated on-chain actions and wallet-based authentication.
- Strong backend skills with FastAPI, Python, PHP, and database optimization (PostgreSQL, SQLite), improving performance and reducing errors by up to 25%.
- Experienced in mobile app development using Ionic and Cordova, enhancing user engagement and offline functionality for global clients.

TECHNICAL SKILLS

Main Technical Skills	Angular (4 yr.), Ionic (2 yr.), Python (2 yr.), PHP (2 yr.)
Programming Languages	PHP (2 yr.), Python (2 yr.)
JavaScript Frameworks	Angular (4 yr.)
Python Frameworks	FastAPI
Mobile Frameworks and Libraries	Ionic (2 yr.)
SDK / API and Integrations	FastAPI

WORK EXPERIENCE

Senior Full Stack Developer - HyperPlay Labs / CoinFello (AI-powered Web3 platform with automated on-chain actions)

Duration: September 2025 – Mar 2026

Summary: Development of an AI-powered Web3 platform enabling automated on-chain actions such as swap, bridge, and staking via a chat interface, facilitating seamless blockchain interactions for users.

Responsibilities:

- Led development of key frontend features using Next.js.
- Owned end-to-end implementation of swap, bridge, and staking flows ensuring seamless UX and reliable blockchain interactions.
- Built scalable frontend architecture improving routing efficiency, performance, and SEO.
- Integrated wallet-based authentication and smart contract interactions for real-time blockchain operations.



- Designed and developed reusable UI component libraries to reduce development time and improve design consistency.
- Collaborated with product and backend teams in an agile environment.

Technologies: Next.js, Web3, Supabase, blockchain, smart contracts, wallet authentication

Senior Software Engineer - ILI Digital AG (Student-Teacher Mobile Application and Contrac Expense Management Platform)

Duration: June 2025 – Nov 2025

Summary: Development and optimization of a student-teacher mobile application to improve engagement, and contribution to Contrac, an expense management platform with AI-based compliance checks and real-time expense tracking.

Responsibilities:

- Developed and optimized mobile app using Angular, Ionic, and Cordova.
- Contributed frontend development for Contrac using Next.js and backend services with FastAPI.
- Implemented receipt OCR, bank API integrations, and AI-based compliance validation.
- Optimized backend API calls and data synchronization.

Technologies: Angular, Ionic, Cordova, Next.js, FastAPI, Python, OCR, bank API integration, AI compliance

Software Engineer II - Salvay (Mobile Applications for Retail Client and Blockchain-based Gaming Marketplace)

Duration: July 2023 – May 2025

Summary: Development of mobile applications for a retail client with thousands of stores across multiple continents, including offline functionality and blockchain-based gaming marketplace to enhance transaction security and user trust.

Responsibilities:

- Developed mobile apps using Ionic and Angular with optimized SQLite database queries.
- Implemented offline functionality reducing data sync errors.
- Deployed applications with Nginx and supported PHP backend systems.
- Wrote Python scripts for data synchronization ensuring data integrity.
- Contributed to blockchain-based gaming marketplace and developed a Dungeons and Dragons technology-based website.

Technologies: Ionic, Angular, PHP, Python, SQLite, Nginx, blockchain

Software Engineer I - Syntron Solutions (eCommerce Admin Portal, Resume Builder, and Mobile Apps with Zoom and Stripe Integration)

Duration: May 2022 – June 2023

Summary: Development of an eCommerce admin portal and mobile applications with integrated video conferencing and payment processing, utilizing real-time data handling and enhancing application security.

Responsibilities:

- Built eCommerce admin portal and mobile app using Angular and Laravel.
- Developed a resume builder application.
- Integrated Zoom and Stripe for video conferencing and payments.
- Utilized Firebase for real-time data handling.
- Enhanced application security through testing and code reviews.



Technologies: Angular, Laravel, SQL, Firebase, Zoom API, Stripe API

Software Engineer I - Nextstep Business Solutions (Hospital Management ERP System Transformation and Module Redesign)

Duration: October 2020 – June 2022

Summary:

- Transformation of a hospital management ERP system from ASP
- NET to Angular-based APIs, redesigning UI/UX for multiple modules to improve efficiency and user satisfaction

Responsibilities:

- Transformed ERP system backend from ASP.NET to Angular-based APIs.
- Redesigned UI/UX for Hospital Management System, Inventory, and Pharmacy modules.
- Converted raw SQL queries to stored procedures.
- Streamlined hospital operations through system improvements.

Technologies: Angular, .NET, SQL

EDUCATION

• University of Agriculture Faisalabad, Pakistan

B.S in Software Engineering; GPA: 3.21/4.00. Final Year Project: Conversational AI Chatbot Using PyTorch.

2015 – 2019

