ARHAM BAIG

Full-Stack Developer

+92 335 0250584 | arhambaig.amir@gmail.com | https://arhambaig.me/ | https://github.com/ArhamBaig

Summary

I'm a software engineer who enjoys building products end-to-end, from the frontend experience to the backend logic. I care about writing clean, structured code and I like to understand the bigger picture of a product before diving into development. Always curious and eager to learn, I focus on solving problems in a way that's both practical and scalable.

Education

B.Sc in Software Engineering | Usman Institute Of Technology   October-2019 - July 2023

Skills

Frontend: Next.js, React.js, TypeScript, JavaScript, Tailwind, Zustand/Redux Toolkit

Backend: Node.js, Express.js, Socket.io

Databases: PostgreSQL, MongoDB, MySQL, Prisma/Drizzle

DevOps / Infra: Docker, AWS(EC2, S3, CloudFront, Lambda), Git

Others: Web3, Redis, RabbitMQ, Stripe

Experience

Pixpel.io – Web3 Full Stack Developer   June 2025 – Present

- Worked on integrating smart contracts in the web-app for token launches, vesting, and NFT trades, handling core on-chain features of the platform.
- Connected MetaMask and Concordium wallets using ethers.js, and Reown AppKit, making it easier for users to join from both EVM and non-EVM networks.
- Used block explorers to check and track wallet transactions, helping users and the team verify activities quickly.
- Built multi-chain launchpads with support for Ethereum, Polygon, and Skale, so projects could raise funds on different blockchains.
- Built a games marketplace where developers could launch their games through a custom launchpad, create tokens on the platform's DEX, and raise funds seamlessly.
- Enabled players to buy and invest in game tokens, creating a system where both developers gained funding and players benefited from early ownership and rewards.
- Implemented database migrations to persist off-chain user and platform data, ensuring smooth interaction between blockchain and backend systems.

Scripters Hub Pvt. Ltd – Lead Full Stack Developer   July 2024 – June 2025

- Planned and designed a full web application from scratch based on company requirements.
- Managed a team of interns, assigning tasks, reviewing code and PRs, and guiding them through the project.
- Built a real-time chat system with WebSockets and RabbitMQ, handling concurrent chats with separate workers per room.
- Deployed RabbitMQ on CloudAMQP to make real-time messaging faster and more reliable.

- Set up a serverless file system using AWS, so users could upload and access files securely.
- Added CI/CD pipelines and deployed to Railway, making updates smooth without downtime.
- Improved speed and syncing by adding Redis caching layer on top of database.
- Modeled and implemented databases, reducing query complexity and improving response times.

Scripters Hub Pvt. Ltd – Full Stack Developer   August 2023 – July 2024
- Built and optimized Next.js websites that scored high on GTmetrix and Google PageSpeed Insights.
- Designed responsive UIs with Tailwind CSS, improving user engagement and keeping visitors on the site longer.
- Applied SEO techniques like server-side rendering and dynamic sitemaps, helping websites rank higher on Google.
- Optimized UI rendering, component reusability, and static site generation to reduce load times and improve overall frontend performance.

Projects

TipChain 🔗
- Enabled direct ETH tipping to creators, removing fees and restrictions found in centralized donation platforms.
- Built a decentralized tipping platform where users log in with MetaMask and support registered creators seamlessly.
- Implemented off-chain storage and dashboards for creators to manage profiles and track tips in real time.

PPV Live Streaming Platform 🔗
- Built a pay-per-view live streaming platform powered by Ethereum, enabling creators to host live streams or upload exclusive videos and users to pay in ETH for premium access.
- Integrated MetaMask-based payments with off-chain storage to provide seamless wallet login, video access control, and a smooth user experience.
- Configured an EC2 server with HLS to generate and store live video packets at scale, supporting concurrent live viewers, and implemented auto-thumbnail generation for live streams.