

Muhammad Hamid Khan

Backend Engineer

Software engineer with hands-on experience building scalable server-side systems and APIs. Strong expertise in **Node.js**, backend architecture, cloud deployments on **AWS**, and relational and NoSQL databases (PostgreSQL, MongoDB). Experienced in real-time systems using **socket.io**, blockchain integrations, and delivering production services for logistics, parcel management, and crypto wallets. Proven ability to translate product requirements into robust, maintainable backend solutions, improve system performance.

Contact Info

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Strengths & Skills

Backend / APIs: Web API design; RESTful services; microservices

Languages & Frameworks: Node.js; Express.js; Python; Django(familiar)

Realtime: socket.io

Databases: PostgreSQL; MongoDB; SQL schema design; indexing & query tuning

Cloud & DevOps: AWS (EC2, ECS, Lambda); Serverless Framework; CI/CD; domain mapping; deployments **Other:** Blockchain integration;

Academics

BS Computer Science — Capital University of Science and Technology, Islamabad, **2017**

Experience

Company	Designation	Duration
Equalixer Technologies	Backend Engineer	Apr 2022 - Sep 2024 (2 years 6 months)
ForkFreight	Backend Engineer	Sep 2021 - Feb 2022 (5 months)

Company	Designation	Duration
VisionX Technologies	Software Developer	Sep 2019 - Sep 2021 (2 years)
Reactive space	Software Developer	Mar 2018 - Sep 2019 (1.5 years)

Work History

Equalixer Technologies

Apr 2022 - Sep 2024 — Islamabad, Pakistan

Backend Engineer

- Designed and implemented scalable RESTful APIs and microservices using **Node.js** and **Express.js** to support web and mobile clients.
- Built serverless functions and optimized AWS Lambda deployments to reduce latency and improve throughput.
- Modeled and optimized data in **PostgreSQL** and **MongoDB**; implemented indexing and query tuning to improve response times.
- Implemented real-time features with **socket.io**, ensuring message reliability and reconnection strategies.
- Automated CI/CD pipelines and managed deployments on **AWS** (EC2, ECS, Lambda); monitored production health and led incident response.
- Conducted code reviews, mentored junior developers, and collaborated with product teams to translate requirements into technical specifications.

ForkFreight

Sep 2021 - Feb 2022 — Islamabad, Pakistan

Backend Engineer

- Developed and maintained backend Web APIs using **Node.js** and **MongoDB** for a logistics platform.
- Integrated new features into the existing product while ensuring backward compatibility and data integrity.
- Participated in product specification sessions and contributed to architecture and design decisions.

VisionX Technologies

Sep 2019 - Sep 2021 — Islamabad, Pakistan

Software Developer

- Developed backend services and APIs using **Node.js**, **PostgreSQL**, and AWS Serverless technologies.

- Implemented parcel and mailroom management features; collaborated with frontend teams to deliver end-to-end solutions.
- Contributed to system design, feature specifications, and performance tuning.

Reactive space

Mar 2018 - Sep 2019 — Islamabad, Pakistan

Software Developer

- Integrated mobile applications with Android APIs and designed SQL database schemas for mobile backend.
- Set up blockchain nodes and developed APIs to interact with blockchain networks using **Node.js** and **geth**.
- Managed code deployment, domain mapping, and AWS environment setup (EC2, ECS).
 - Participated in rapid development cycles and contributed to product specifications.

Projects

ForkFreight — <https://app.forkfreight.com/>

Tools: NodeJS; AngularJs; MongoDB

Built backend APIs for load management, user authentication, and real-time updates for a logistics marketplace connecting carriers, shippers, and brokers.

Shipd (PackageX) — <https://packagex.io/shipd>

Tools: PostgreSQL; AWS Serverless; Node.js

Serverless parcel management system for tracking inbound deliveries, generating labels, notifying receivers, and handling returns.

Mailroom (PackageX / WeWork) — <https://packagex.io/mailroom>

Tools: AWS Lambda; PostgreSQL; Node.js; React.js

End-to-end internal package reception and delivery solution with intake, routing, notifications, and reporting services.

SFCC (ERC-20 Wallet) — Play Store listing

Tools: ETH; Node.js; Angular.js

ERC-20 token wallet with blockchain node integration, secure transaction APIs, and balance/transaction history features.

ABBC Multi Crypto Wallet — Play Store listing

Tools: Node.js; Firebase; Komodo; BTC; ETH; LTC; QTUM; DASH

Multi-cryptocurrency wallet integrated with Alibabacoin Foundation blockchain supporting multiple coin types and on-device transaction management.

Spero Wallet — Play Store listing

Tools: Node.js; geth; ETH

Cryptocurrency wallet with transaction history, address book, and send/receive features.

Toolin — <https://toolin.com>

Tools: Node.js; PostgreSQL; AWS

Developed backend services for a B2B tool marketplace: product catalog APIs, user authentication, order processing, search and filtering endpoints, and payment/order webhook integrations. Optimized catalog queries for performance and implemented reliable order lifecycle handling.

Arbor Spring Farms — <https://arborspringfarms.com>

Tools: Node.js; MongoDB; AWS

Built backend for an agricultural e-commerce site: product management, inventory tracking, secure checkout APIs, order processing, customer notifications, and an admin dashboard for order fulfillment and reporting.

Industries

Software & Web Development
