

# Qamar Abbas - Software Engineer

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## PROFESSIONAL SUMMARY

Backend-focused **Full-Stack Developer** with **5+ years of experience** in the MERN stack, specializing in backend architecture and scalable API development. Proficient in building robust server-side logic, integrating modern frontend interfaces, and delivering high-performance web applications. Proven track record of Shopify app development using Remix, Gadget, and Polaris, delivering solutions to 100,000+ merchants. Proficient in Agile methodologies, third-party API integrations, and delivering high-quality, maintainable code across frontend and backend architectures.

## TECHNICAL SKILLS

- Backend Technologies:** JavaScript, TypeScript, NestJS, Express.js, Fastify, REST APIs, Microservices, JWT, OAuth, Passport.js, WebSockets, Redis
- Frontend Technologies:** React.js, Next.js, Remix.js
- Platforms & Tools:** Shopify, Gadget, Lovable, Cursor, Git, Redux, n8n, Claude, GitHub Copilot
- Databases:** MongoDB, PostgreSQL, Firebase, MySQL, Supabase
- Cloud & DevOps:** AWS (EC2, RDS, S3, Load Balancer, CloudFront), Google Cloud Platform (GCP), Docker, Jenkins, CI/CD
- Third-Party Integrations:** PayPal, Stripe, IBANERA, NMI, Fireblocks, Finclusive, Klaviyo, Mailchimp

## Experience

Vaival Technologies  
Software Engineer

Lahore, Pakistan  
June 2023 – Present

- Led a team of 10 developers on the **TaskPay** project, delivering a secure, scalable platform using **Next.js**, **Nest.js**, and **Google Cloud Functions**.
- Managed the development of custom **Shopify apps** using **Gadget (AI-powered Node.js-based platform)**, enabling seamless e-commerce integrations; increased merchant adoption by **40%**.
- Orchestrated backend architecture to handle **thousands of concurrent users**, ensuring high availability and responsiveness.
- Fine-tuned database performance through efficient schema design and query optimization, achieving **50% faster query execution**.
- Incorporated multiple payment gateways (ACH, Wire, RTP) via **IBANERA**, **NMI**, and **PayPal**, improving transaction success rate by **30%**.
- Streamlined KYC onboarding by **25%** using **Finclusive API**, and improved transaction security through **Fireblocks** integration.
- Utilized **Firebase** and **PostgreSQL** for real-time data synchronization, boosting system responsiveness by **35%**.
- Deployed the entire system on **AWS (EC2, RDS, S3, CloudFront, Load Balancer)** with containerized DevOps pipelines using **Docker**, ensuring **99.9% uptime**.

- Optimized backend performance through caching, queue workers, and batching, reducing API response times by **40%**.

**Ecomomatic**  
Associate Software Engineer

Lahore, Pakistan  
Dec 2020 – June 2023

- Expanded a centralized **warehouse management system** integrated with **Amazon, Shopify, and Walmart**.
- Built and maintained scalable web services using **Node.js, Express, React, MySQL, PostgreSQL, and MongoDB**, improving platform stability and performance.
- Configured authentication and authorization mechanisms using JWT and OAuth, enhancing application security.
- Embedded third-party APIs for **shipping, e-commerce, and payment gateways**, expanding operational capabilities and increasing platform reach by **50%**.
- Spearheaded backend optimizations that reduced **API response times by 30%**, enhancing user experience and customer retention.
- Contributed to Agile development processes, ensuring timely delivery of features and updates.

## Projects

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### EcomDropship — AI-Powered Dropshipping Automation Platform

[ecomdropship.ai](http://ecomdropship.ai)

- Built a dropshipping automation platform enabling product research, auto-listing, repricing, and competitor tracking.
- Enabled major e-commerce APIs — including **Amazon SP-API, Shopify, and WooCommerce** — enabling multi-channel listing and real-time synchronization.
- Deployed the complete system using **Docker, GitHub Actions, and AWS (EB, EC2, RDS, S3, CloudFront)**, ensuring robust scalability and 99.9% uptime.
- Tools Used:** React.js, Nest.js, PostgreSQL, Redis, AWS, Docker, RDS

### Shopify Public Apps — High-Scale E-commerce Engagement Tools

[apps.shopify.com](http://apps.shopify.com)

- Spearheaded and maintained multiple **public Shopify apps** listed on the **Shopify App Store**, collectively serving **thousands of active merchants** with strong customer ratings and adoption.
- Built high-conversion e-commerce tools focused on **social proof, urgency, lead capture, abandoned cart recovery, and customer engagement**.
- Implemented scalable backend services using **Node.js, Nest.js, and PostgreSQL**, with real-time storefront integrations via **Shopify Admin and Storefront APIs**.
- Crafted frontend experiences using **React** and **Shopify Polaris**, ensuring seamless merchant onboarding and theme compatibility.
- Enhanced app performance and webhook handling to support **high-traffic stores** with minimal latency and reliable event processing.
- Managed full lifecycle from **development to deployment**, including **OAuth authentication, billing APIs, webhooks, and app review compliance**.
- Notable apps include:

- **SP Sales Pop — Social Proof Popup** (Rating: 4.9, 1,000+ reviews)
- **Wheelify — Spin Wheel Email & SMS Popup** (Rating: 4.9, 600+ reviews)
- **Timex — Low Stock Counter & Timer** (Rating: 4.7, 250+ reviews)
- **Traffically — Visitor Counter** (Rating: 4.5, 200+ reviews)
- **Cartly — Abandoned Cart Recovery** (Rating: 4.9, 240+ reviews)
- **Tools Used:** Node.js, Nest.js, React.js, Shopify APIs, Shopify Polaris, PostgreSQL, Webhooks, OAuth

**Taskpay — Secure Service Contracting Platform** taskpay.com

- Built a scalable platform using **Next.js** and **Google Cloud**, supporting **thousands of real-time transactions weekly**. Connected ACH, Wire, RTP payments via IBANERA, NMI, and PayPal, increasing success rates by 30%. Streamlined KYC onboarding by 25% using **Finclusive API** and secured digital asset flows via **Fireblocks**.
- **Tools Used:** Nest Js, Next Js, GCP, Fireblocks, NMI, PayPal, Ibanera, Finclusive, Firebase, PostgreSQL

**Clone Hub — AI-Powered Digital Engagement Platform** clonehub.com

- Developed a SaaS product with **Next.js** and **PostgreSQL**, powering over **10,000 AI clones** for 24/7 audience engagement. Boosted user retention by **40%** with monetization via subscriptions and pay-per-use. Optimized performance for high concurrency and real-time data rendering.
- **Tools Used:** Nest.js, Microservices, Next.js, PostgreSQL, Firebase, RabbitMQ, GCP

**AAA Protect — Comprehensive Protection for Commercial Drivers** portal.aaaprotect.com

- Engineered a full-service platform using **Next.js**, **Nest.js**, and **MongoDB**, serving **5,000+ commercial drivers**. Linked **Stripe** for secure payment handling, increasing transaction success by **30%**. Improved operational efficiency by **45%** through backend and UI optimization.
- **Tools Used:** Nest Js, Next Js, MongoDB, Stripe

## Education

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**Bachelor of Science in Software Engineering**

University of Sargodha

Graduated: June 2019