**USAMA AMJID**

Mid-Level Backend Engineer (Node.js Specialist)

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**GitHub:** [github.com/usamaamjid](http://github.com/usamaamjid)

**Portfolio:** [usamaamjid.com](http://usamaamjid.com)

**PROFESSIONAL SUMMARY**

Mid-Level Backend Engineer specializing in high-performance Node.js/TypeScript microservices. Proven expertise in REST/WebSocket APIs, MongoDB/Redis optimization, and security (JWT/OAuth). Delivered 40% faster load times, 30% less downtime, and scalable systems handling a sustained average of daily requests. Focused on clean code and maintainable architecture.

**TECHNICAL SKILLS**

**Languages:** TypeScript, JavaScript (Node.js)

**Frameworks:** Express.js, Fastify, Oak, Socket.io

**Databases** & Caching**:** MongoDB (Aggregations), Redis (Caching/Queues)

**Infrastructure:** Docker, Microservices, RESTful APIs, WebSockets

**Security:** JWT, OAuth, Encryption, RBAC/ABAC, KYC

**Tools:** Puppeteer, Worker Threads, Git, Postman, Jest/Mocha

**PROFESSIONAL EXPERIENCE**

**Mid-Level Backend Engineer** | Anemoia, Wah, Pakistan | Jan 2024 - Present

**- Bondii Microservices Platform** (TypeScript/Express/Redis/Microservices):

• Architected 6+ core services (users/rewards/notifications/missions) handling JWT RBAC and admin impersonation

• Implemented Redis queues for async reward processing (Nequi payouts)

• Outcome: Powers consumer app + admin panels

**- Live Loyalty Programs** (Node.js/MongoDB/Redis):

• Developed multi-tenant backend with super/tenant admin hierarchy

• Reduced point-calculation latency by 40% via Redis + worker threads

• Built catalog services for point redemption with order tracking

- Optimized MongoDB aggregations + Redis caching → 40% faster API loads

- Containerized environments with Docker → 50% fewer deployment bugs

**KEY PROJECTS**

**- Internal Collaboration System** | Jul 2024 - Sep 2024

• Real-time messaging backend (Deno/Oak) with Socket.io channels/mentions

• Implemented RBAC-admin controls for content moderation

• Reduced notification delivery to <100ms latency

**- TechMetaScore Scraping Engine** | Feb 2024 - Jun 2024

• Puppeteer + worker threads for concurrent data scraping

• Automated retry logic + Redis caching → 80% data freshness

• Efficiently handle concurrent requests for product and review endpoints daily.

**Backend Developer Intern** | Spire House, Wah, Pakistan | Oct 2023 - Dec 2023

• Built Node.js/Express APIs improving frontend integration efficiency

• Refined API endpoints for intuitive frontend consumption

**EDUCATION**

BSc Computer Science | Gomal University | 2020 - Jan 2024 | GPA: 3.20