

Usama Amjid

Mid Level Backend Engineer

 Layyah, Punjab, 31200 PB

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Mid-Level Backend Engineer with a strong focus on **Node.js**, **TypeScript**, and scalable system design. I specialize in building robust backend services using **microservices** architecture, real-time communication via **Web-Sockets**, and efficient database management. I've improved application performance and security by optimizing queries, implementing strong authentication flows, and leveraging modern tooling. From **RESTful APIs** to real-time features like live updates and event-driven systems, I enjoy creating backend solutions that are fast, reliable, and easy to maintain. Experienced in working with TypeScript for better code safety and clarity, and confident in designing systems that can handle high traffic while staying clean and modular.

Websites, Portfolios, Profiles

- <https://www.usamaamjid.com/>
- <https://www.linkedin.com/in/usama-amjid-backend-engineer/>
- <https://github.com/usamaamjid>

Skills

Experience with Node.js	<div><div></div><div></div><div></div><div></div><div></div></div>
Experience withTypescript	<div><div></div><div></div><div></div><div></div><div></div></div>
Experience with NoSQL databases	<div><div></div><div></div><div></div><div></div><div></div></div>
MongoDB experience	<div><div></div><div></div><div></div><div></div><div></div></div>
API design and integration	<div><div></div><div></div><div></div><div></div><div></div></div>
Version control with Git	<div><div></div><div></div><div></div><div></div><div></div></div>
Microservices	<div><div></div><div></div><div></div><div></div><div></div></div>
Unit testing and debugging	<div><div></div><div></div><div></div><div></div><div></div></div>
Web-sockets and Real-time	<div><div></div><div></div><div></div><div></div><div></div></div>
Experience with Redis	<div><div></div><div></div><div></div><div></div><div></div></div>
Experience with Deno	<div><div></div><div></div><div></div><div></div><div></div></div>
Performance optimization	<div><div></div><div></div><div></div><div></div><div></div></div>

Experience

2024-01 - Current

Mid Level Backend Engineer

Anemoia, Wah, Punjab, Pakistan

- Applied **Node.js** and **TypeScript** for server-side scripting, enabling non-blocking, asynchronous request handling that noticeably boosted application responsiveness.
- Conducted thorough code reviews and debugging sessions to isolate and resolve issues, ensuring smooth development workflows and high code quality.
- Designed and implemented high-performance **RESTful** web services, comfortably handling over **100,000** daily API calls and facilitating robust communication across distributed services.
- Optimized **MongoDB** queries and introduced **Redis**-based caching strategies, cutting application load times by **40%**, which led to stronger user engagement and satisfaction.
- Enhanced database and web-service reliability, driving a **30%** reduction in system downtime and a **25%** improvement in average response times.
- Strengthened system security by integrating **JWT** and **OAuth2** authentication flows, resulting in zero critical vulnerabilities reported over a 12-month period.
- Containerized applications with **Docker** for development, staging, and production environments—slashing environment-specific bugs by **50%**.
- Architected a scalable **microservices** ecosystem, doubling feature rollout speed and minimizing inter-service dependencies.
- Refactored a legacy codebase to improve maintainability and boost automated test coverage by **60%**, paving the way for faster and more reliable deployments.

2023-10 - 2023-12

Backend Developer Intern

Spire House, Wah, Punjab, Pakistan

- Collaborated proactively with project managers to provide regular status updates on task progress, helping maintain transparency throughout the development process.
- Contributed to the creation of comprehensive documentation, facilitating faster onboarding for new team members.
- Refined API endpoints for more intuitive usage by frontend developers, enhancing overall user experience across applications.
- Developed web platform back ends using Node and Express frameworks.
- Implemented automated testing frameworks to reduce manual testing efforts and improve overall product quality.
- Developed modular code, allowing for easy reuse across multiple projects without redundancy or duplication of effort.



Education

2024-01

Bachelor of Science: Computer Science

Gomal University - Dera Ismail Khan, Pakistan

- 3.20 GPA