

Rohan Bhalla

Address: 216A Birkby Hall Road Huddersfield HD2 2BP
Phone Number: 07585 776794 • Email: rohan.bhalla48@gmail.com

Personal Profile

I am a highly motivated software developer with a strong foundation in backend development, with expertise in C# and the .NET ecosystem, and a growing proficiency in cloud technologies, particularly Azure. I am passionate about building scalable and secure systems, following best practices such as SOLID principles and Test-Driven Development (TDD). I enjoy working in Agile environments and contributing to impactful, high-performance solutions, I am now looking to further expand my skills and contribute to technically challenging projects that make a real difference.

Key Skills

- **Backend Development:** Advanced in C#, .NET Core, and .NET Framework; strong focus on performance, scalability, and maintainability of APIs and backend services.
- **Cloud & DevOps:** Proficient with Azure services (Key Vaults, Azure Function Apps, Service Bus, Application Insights), and Azure DevOps for CI/CD using YAML pipelines.
- **Database Design:** Experience with SQL and database scaling solutions such as sharding to support large-scale systems.
- **Testing & Best Practices:** Skilled in Test-Driven Development (TDD), unit testing, and following SOLID principles to ensure high-quality, maintainable code.
- **Agile Workflow:** Familiar with Agile methodologies, including sprint planning, daily standups, retrospectives, and collaboration through tools like Jira and Confluence.
- **Full Stack Collaboration:** Background in bridging backend and frontend development, with working knowledge of React, TypeScript, JavaScript, CSS, and HTML.
- **Communication & Teamwork:** Strong communication skills for collaborating with cross-functional teams and conveying complex ideas clearly to technical and non-technical stakeholders.
- **Adaptability & Learning:** Quick to pick up new technologies and adapt to evolving project requirements and workflows.

Previous Work / Experience

Backend Developer | Bright HR, Manchester

(April 2024 – present)

- Promoted after 6 months to Mid-Level Developer after demonstrating strong problem-solving skills and rapid growth in backend development capabilities.
- Led the design and implementation of complex API functions using C# and .NET, focusing on performance, scalability, and maintainability to support backend services and enhance overall system architecture.
- Leveraged Entity Framework Core to build data-access layers for RESTful API, writing efficient LINQ queries to fetch and shape data from SQL databases. Also spearheaded an optimisation project for EF queries within a critical microservice, which reduced the SQL database DTU from consistent 100% peaks to 40%. This allowed the company to scale down the database two tiers, saving over £15,000 a month.

- Contributed to the development and maintenance of multiple microservices, ensuring loose coupling, high cohesion and clear domain boundaries. This included designing and implementing a standalone timesheet microservice that integrates with the existing microservices, enabling customers to track employee work hours, absences and leave balances.
- Managed and configured critical Azure resources, including Key Vaults, Service Bus topics and queues, Azure Function Apps, and Application Insights, to streamline workflows, improve logging, debug errors, and ensure best security practices.
- Significantly contributed to a database sharding project that helped scale databases to accommodate growing customer demands, optimising resource consumption and reducing load on existing systems.
- Developed existing skills in C# and .NET, focusing on efficiency and performance while contributing to multiple key projects and system enhancements.
- Collaborated with cross-functional teams (UX, QA, BA, and Frontend) to deliver end-to-end solutions, improving backend processes, data handling, and service reliability.
- Gained hands-on experience in Azure DevOps, including building and deploying software to different environments, and leveraging Azure Portal for configuration management and troubleshooting.
- Applied SOLID principles and Test-Driven Development (TDD) methodologies to write clean, maintainable, and highly testable code, reducing the occurrence of bugs and increasing overall code quality.
- Actively participated in daily stand ups, sprint planning, and retrospective meetings within an Agile framework to ensure the team stayed on track, met deadlines, and continuously improved.

Junior Software Developer | Boston Limited, St Albans

(July 2021 – July 2022)

- Developed and integrated API functions in C# to enhance backend capabilities, facilitating robust data management and service operations.
- Utilised front-end technologies to consume APIs, ensuring seamless user experiences and interactive interfaces. Technologies used included React, JavaScript and TypeScript.
- Played a key role in bridging backend services with frontend applications, demonstrating proficiency in full-stack development and contributing to the end-to-end enhancement of web applications.
- Collaborated closely with the development team to identify and resolve website issues, contributing to smoother operations and improved website reliability.

Education

Computer Science with Industrial Placement BSc Honours, Newcastle University

(September 2019 – June 2023)

Graduated with First Class Honors.

Greenhead College

(September 2017 – June 2019)

3 A-Levels, Mathematics - B, Computer Science – C, Physics – C

The Crossley Heath School

(September 2012 – June 2017)

9 GCSEs, grade A*-B, including Maths and English

References

References are available upon request.