Aabhaas Malhotra
Senior Software Engineer
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LINKS   LinkedIn (www.linkedin.com/in/ aabhaas-malhotra)
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PROFILE
Accomplished Full-Stack Developer with over 7 years of experience in C# .NET Development, managing projects from inception to delivery. Experienced in leading development teams, mentoring team members, and providing technical expertise. Skilled in .NET 9 with C#, MVC pattern, and front-end technologies such as Angular,React, and TypeScript. Proficient in relational databases like SQL Server and ORM technologies such as Entity Framework 8. Extensive experience in database design, programming (SQL), and query optimization. Adept at using source control tools such as TFS, Git, and Azure DevOps to manage ALM tools and delivery pipelines. Continuously staying updated on technological innovations to enhance system performance and project outcomes.

TECHNICAL SKILLS
- Advanced knowledge of C# and .NET Development, including .NET 9.
- Proficient in full Systems Development Life Cycle (SDLC) including requirements analysis, design, implementation, testing, and deployment.
- Experienced in the MVC pattern for building scalable web applications.
- Front-End Technologies: Skilled in Angular, React, TypeScript, and Vue.js for dynamic user interfaces.
- Database Technologies: Strong expertise in relational databases (SQL Server, Oracle) including database design, SQL programming, and query optimization.
- ORM Technologies: Proficient in Entity Framework 8 for database interactions.
- Source Control & DevOps: Experienced with TFS, Git, and Azure DevOps for managing ALM tools, delivery pipelines, and source control.
- Leadership & Mentoring: Proven track record of managing sprints, backlog allocation, and providing technical mentorship to the development team.
- Integration: Skilled in integrating front-end and back-end systems using REST APIs.
- Agile Methodologies: Strong advocate of Agile methodologies, including Scrum and Kanban, for effective project management.

PROFESSIONAL EXPERIENCE

May 2025 — Present   **Senior Software Engineer,** *ICBC Standard Bank*   *London, UK*

- Led engineering across a hybrid **on-prem + Azure cloud** environment, working with .NET microservices deployed in **Docker containers** inside the bank's Azure DMZ and integrated with Java-based middleware running on Unix servers.
- Architected and built **micro-frontends using Nx** in Angular, enabling modular development across teams and improving deployment independence.
- Upgraded the entire application from **Angular 8 to Angular 20**, modernizing the tech stack, eliminating deprecated APIs, and improving page load performance.
- Replaced 20+ legacy jQuery DataTables with a robust **AG Grid implementation**, significantly enhancing user experience, performance, and maintainability.
- Introduced **feature flags**, enabling safe rollouts, A/B tests, and rapid toggling of new functionalities without code redeployments.
- Reverse-engineered and stabilized large volumes of **legacy code**, documenting detailed knowledge-transfer guides, onboarding paths, and architectural overviews on Confluence for new joiners.
- Established engineering best practices by implementing **PR templates**, coding guidelines, and workflow improvements—later adopted bank-wide by multiple teams using GitHub and Jira.
- Delivered a production-ready **RAG (Retrieval-Augmented Generation)** system for internal document search **using Azure and Streamlit in python**, improving developer productivity and reducing time spent searching across legacy documentation.
- Collaborated closely with project managers, architects, and cross-functional teams, participating in **Azure ceremonies**, architecture discussions, and release planning.

Jan 2025 — May 2025

Software Engineer, *Ebury*   *London, UK*

- Developed core modules using Angular and Python for the Sales Intelligence application using a **stateless event-sourcing model** to ensure real-time data consistency.
- Built and orchestrated **ETL DAGs with the Data** Science team for data cleaning, transformation, and analytics using **GCP BigQuery**.
- Implemented **Domain-Driven Design (DDD)** architecture with **CQRS in Python**, improving modularity and scalability.
- Collaborated with **cross-functional teams** to automate sales workflows, including lead scoring and customer segmentation.
- Wrote **extensive unit and integration tests** for both Angular components and Python services, improving reliability and coverage.
- Deployed applications using **Azure App Services**, integrated **Azure Entra ID** for secure authentication, and used **Application Insights** for observability.

Jan 2024 — Present

Software Engineer, *Morningstar Limited*   *London, UK*

- Automated **Azure DevOps** pipelines using **Bicep** and **YAML**, reducing deployment time by 40% and minimizing manual errors for faster, more reliable releases. Fully optimized **CI/CD pipelines** to enhance efficiency and reduce manual interventions.
- Led **Agile ceremonies** (daily stand-ups, sprint planning, retrospectives) to drive project progress and boost team collaboration. Utilized **Faros AI** to track team performance using **DORA metrics**, enhancing productivity and workflow efficiency.
- Resolved complex **foreign exchange rate discrepancies** across five platforms, improving system reliability and client satisfaction by delivering consistent, accurate rates.
- Developed a comprehensive **testing strategy** including integration, functional, and unit tests to ensure high code quality, complemented by **code reviews** and **unit testing** initiatives to maintain engineering standards.
- Created detailed architecture documentation (high-level and low-level) and presented technical solutions to design authorities, delivering optimal solutions and achieving consensus on critical fixes.
- Implemented a **Retrieval-Augmented Generation (RAG)** solution for internal documentation search, enhancing information access organization-wide.
- Enhanced application security with **Azure App Configuration** and **Key Vault**, successfully executing **disaster recovery** processes to ensure business continuity. Strengthened system resilience through **health checks**, **Azure monitoring**, and alerting services for proactive issue resolution.
- Integrated **SonarQube** into **CI/CD pipelines** for static code analysis, addressing critical findings to improve code quality, maintainability, and reliability of web applications.
- Created reusable **NuGet packages** for logging and Azure configuration management, reducing code duplication, promoting consistency, and easing access across projects.
- Leveraged **GitHub Copilot** for automated code suggestions and refactoring, reducing manual effort by 30% and accelerating high-quality code delivery.
- Developed a feature-rich **boilerplate template** for Web APIs, integrating both web application and infrastructure code, providing a scalable foundation for future projects.
- Successfully integrated **Zendesk** with the in-house **Customer 360 application** to streamline ticket management for investors and advisors.

Oct 2022 — Jan 2024

Full Stack Engineer, *Cognizant Worldwide Limited*   *London, UK*

- **Key contributor** to a high-impact project with **JPMorgan Chase**, leveraging **.NET 6** and **Angular** to deliver cutting-edge solutions focused on scalability and performance.
- **Partnered with the Department of Education** to digitize policy and adoption processes, transforming manual workflows into digital platforms, improving accessibility, communication, and overall operational efficiency for schools.

- Developed an **Angular application** from scratch, establishing a complete **CI/CD pipeline** to streamline multi-environment deployments, enhancing release efficiency, and reducing manual overhead.
- **Orchestrated the deployment** of applications using **Azure resources**, ensuring high availability, scalability, and reliability for seamless cloud performance.
- Led **Agile workflows** including daily stand-ups, sprint planning, and retrospectives, driving team collaboration, accountability, and project success.
- **Solved complex technical issues** to enhance team productivity and reduce downtime while implementing a comprehensive **testing strategy** (unit, functional, and integration) to guarantee software quality and reliability
- **Resolved a complex payment issue** within a legacy application, improving system functionality and reliability.

Jul 2017 — Jul 2021

Senior software engineer, *Advantage-Go (Coforge Limited)*   *Gurgaon, India*

- Played a key role in **full-stack development**, **mentoring** junior developers, and fostering a **growth-oriented team**.
- **Led** a team of 5 members, delivering key features for an **underwriting application**, ensuring timely releases and high-quality standards.
- **Implemented** dynamic **data analysis widgets**, enhancing **data readability** and **user engagement**.
- **Collaborated** with architects on **technical documentation** and **system designs**, aiding informed decision-making.
- Played a key role in **full-stack development**, **mentoring** junior developers, and fostering a **growth-oriented team**.
- Introduced innovations like **adapter patterns** and **third-party integrations**, driving technological advancement.
- **Implemented RabbitMQ** for efficient request management, boosting application **performance** and **scalability**.
- **Upgraded** from **Angular 6 to 8**, modernizing the codebase and enhancing **user experience**.
- Designed a **scalable microservice-based system** with thorough documentation for future support.
- Enhanced **data retrieval** with **ElasticSearch**, reducing query times from **30-40 seconds to 1-2 seconds**.
- Managed **code repositories** and **Agile processes** in **TFS**, overseeing sprints and daily stand-ups for smooth project delivery.

Feb 2022 — Sep 2022

AI Application Software Developer, *Lexverify Limited*   *Birmingham, UK*

- **Engineered** a cloud-based **Azure application** using **.NET Core**, delivering scalable, high-performance solutions, and **co-developed AI-driven applications** in collaboration with the data science team, enhancing business intelligence.
- **Set up DevOps pipelines** for streamlined CI/CD processes, automating data augmentation for model training and utilizing **Azure Function Apps** to improve model accuracy and efficiency.
- Boosted **AI model accuracy** from 65% to 84% using a feedback mechanism, aligning performance with business goals.
- Applied **TDD methodologies** and implemented **microservices architecture** to enhance system modularity, scalability, and code quality.
- Managed **Agile processes** with Kanban boards, ensuring effective workflow management, and **authored technical documentation** to facilitate knowledge transfer.
- **Optimized Azure resources**, reducing cloud infrastructure costs by 30% through proactive monitoring and efficient resource management.

EDUCATION

Sep 2021 — Sep 2022		Leeds
	MSc in Advanced Computer Science (Artificial Intelligence), **University of Leeds — Graduated with Merit (2:1)**	
May 2013 — Jun 2017		Dehradun
	Bachelor of Technology (Computer science and engineering), **University of Petroleum and Energy Studies — Graduated with Merit (2:1)**	

VOLUNTARY WORK

School Representative | Post Graduate Taught School of Computing, University of Leeds
- Represented the School of Computing as a liaison between students and faculty, addressing concerns and facilitating communication.
- Organised and participated in student-focused events, fostering a collaborative and supportive academic environment.